



» AU REAGENT QUICK REFERENCE GUIDE



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INTRODUCTION

The specifications for AU reagents listed in this document represent the minimum levels of performance the tests are designed to meet for total precision. These specifications do not represent typical performance; typical performance is significantly better.

The measurement markers listed in this document are photometric time points the software uses to calculate a result for each assay.

Test per vial (TPV) may differ slightly on platforms due to mechanical conditions—and software algorithm used—to determine when the reagent is empty.

If you require additional information regarding any of these assays, please consult the Instructions for Use (IFU) and analyzer-specific setting sheet for each individual chemistry.



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		Alanine Aminotransferase (IFCC)	Albumin	
		ALT	ALB	
Abbreviation				
Kit: DxC 700 AU		OSR6007 (4 x 210 tests) OSR6107 (4 x 980 tests)	OSR6102 (4 x 845 tests) OSR6202 (4 x 1,450 tests)	
Kit: AU480/AU680		OSR6007 (4 x 210 tests) OSR6107 (4 x 980 tests)	OSR6102 (4 x 620 tests) OSR6202 (4 x 1,120 tests)	
Kit: AU5800		OSR6007 (4 x 210 tests) OSR6107 (4 x 980 tests) OSR6607 (4 x 3,000 tests)	OSR6102 (4 x 845 tests) OSR6202 (4 x 1,450 tests) OSR6602 (4 x 4,500 tests)	
Calibrator Part Number		66300	66300	
Control Name (Part Number)		Control Serum 1 & 2 (ODC0003, ODC0004)	Control Serum 1 & 2 (ODC0003, ODC0004)	
Measurement Principle		IFCC (with/without Pyridoxal Phosphate Activation)	Bromocresol Green (BCG)	
Reaction Type		Rate	End	
Primary Wavelength		340 nm	600 nm	
Measuring Points		14, 27	0, 1	
Liquid or Lyophilized		Liquid	Liquid	
Onboard Stability		Without P-5P: 30 days; With P-5P: 7 days With P-5P AU680 3-part reagent*: 30 days	90 days	
Onboard Stability (AU5800)		Without P-5P: 30 days; With P-5P: 7 days With P-5P 3-part reagent*: 30 days	90 days	
Storage Temperature		+2 to +8° C	+2 to +25° C	
Calibration Frequency		Run in MB mode	User-defined	
Compatible Anticoagulants		EDTA, Heparin	EDTA, Heparin	
Reagent Volume				
› DxC 700 AU		R1=50 µL, R2=25 µL With P-5P 3-part reagent*: R1=50 µL, R1-2=5 µL, R2=25 µL	R1=32 µL	
› AU480/AU680		R1=50 µL, R2=25 µL With P-5P AU680 3-part reagent*: R1=50 µL, R1-2=5 µL, R2=25 µL	R1=46 µL	
› AU5800		R1=50 µL, R2=25 µL With P-5P 3-part reagent*: R1=50 µL, R1-2=5 µL, R2=25 µL	R1=32 µL	
Sample Type		Serum/Plasma	Serum/Plasma	
› DxC 700 AU		Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.1 µL (Pediatric: 1.1 µL) Urine: N/A CSF: N/A	
› AU480/AU680		Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	
› AU5800		Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.1 µL (Pediatric: 1.1 µL) Urine: N/A CSF: N/A	
		SI Units	SI Units	
Analytical Measurement Range	Serum/Plasma: 3-500 U/L Urine: N/A CSF: N/A	Serum/Plasma: 0.05-8.33 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 1.5-6 g/dL Urine: N/A CSF: N/A	Serum/Plasma: 15-60 g/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Male: <50 U/L Female: <35 U/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: <0.85 µkat/L Female: <0.60 µkat/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 3.5-5.2 g/dL Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 35-52 g/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤3% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤3% CV Urine: N/A CSF: N/A
Comment(s)	*OSR60180			

Alkaline Phosphatase (IFCC)

Amylase (CNP3)

Abbreviation	ALP	AMY		
Kit: DxC 700 AU	OSR6004 (4 x 310 tests) OSR6104 (4 x 820 tests) OSR6204 (4 x 1,450 tests)	OSR6006 (4 x 80 tests) OSR6106 (4 x 320 tests)		
Kit: AU480/AU680	OSR6004 (4 x 310 tests) OSR6104 (4 x 820 tests) OSR6204 (4 x 1,450 tests)	OSR6006 (4 x 60 tests) OSR6106 (4 x 240 tests)		
Kit: AU5800	OSR6004 (4 x 400 tests) OSR6104 (4 x 945 tests) OSR6204 (4 x 1,625 tests) OSR6604 (4 x 5,000 tests)	OSR6006 (4 x 80 tests) OSR6106 (4 x 320 tests)		
Calibrator Part Number	66300	Serum/Plasma: 66300, Urine: ODC0025 or B64606		
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system		
Measurement Principle	IFCC AMP buffer	CNP3 ₃		
Reaction Type	Rate	Rate		
Primary Wavelength	410 nm	410 nm		
Measuring Points	16, 27	5, 10		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	14 days*	30 days		
Onboard Stability (AU5800)	7 days*	30 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	Run in MB mode	Run in MB mode		
Compatible Anticoagulants	Heparin	Heparin		
Reagent Volume				
> DxC 700 AU	R1=36 µL, R2=36 µL	Serum/Plasma: R1=120 µL Urine: R1=150 µL		
> AU480/AU680	R1=36 µL, R2=36 µL	Serum/Plasma: R1=160 µL Urine: R1=150 µL		
> AU5800	R1=28 µL, R2=28 µL	Serum/Plasma: R1=120 µL Urine: R1=150 µL		
Sample Type	Serum/Plasma	Serum/Plasma/Urine		
> DxC 700 AU	Serum/Plasma: 1.8 µL (Pediatric: 1.8 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL Urine: 1 µL CSF: N/A		
> AU480/AU680	Serum/Plasma: 1.8 µL (Pediatric: 1.8 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: 1 µL CSF: N/A		
> AU5800	Serum/Plasma: 1.4 µL (Pediatric: 1.4 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL Urine: 1 µL CSF: N/A		
	SI Units	SI Units		
Analytical Measurement Range	Serum/Plasma: 5-1500 U/L Urine: N/A CSF: N/A	Serum/Plasma: 0.1-25.0 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 10-2000 U/L Urine: 5-4800 U/L CSF: N/A	Serum/Plasma: 0.2-33.3 µkat/L Urine: 0.1-80.0 µkat/L CSF: N/A
Reference Interval	Serum/Plasma: Adults: >17 years: 30-120 U/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: >17 years: 0.5-2 µkat/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: 22-80 U/L Urine: 42-321 U/L CSF: N/A	Serum/Plasma: 0.36-1.33 µkat/L Urine: 0.7-5.35 µkat/L CSF: N/A
Precision Specification	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: ≤10% CV CSF: N/A	Serum/Plasma: ≤10% CV Urine: ≤10% CV CSF: N/A
Comment(s)	*Air-sensitive reagent, refer to IFU.			

	Amylase (IFCC-EPS)	Aspartate Aminotransferase (IFCC)		
Abbreviation	AMY	AST		
Kit: DxC 700 AU	OSR6182 (4 x 400 tests)	OSR6009 (4 x 200 tests) OSR6109 (4 x 1,020 tests) OSR6209 (4 x 1,935 tests)		
Kit: AU480/AU680	OSR6182 (4 x 400 tests)	OSR6109 (4 x 980 tests) OSR6209 (4 x 1,960 tests)		
Kit: AU5800	OSR6182 (4 x 460 tests)	OSR6009 (4 x 200 tests) OSR6109 (4 x 1,020 tests) OSR6209 (4 x 1,935 tests) OSR6609 (4 x 6,000 tests)		
Calibrator Part Number	Serum/Plasma: 66300 , Urine: ODC0025 or B64606	66300		
Control Name (Part Number)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system	Control Serum 1 & 2 (ODC0003, ODC0004)		
Measurement Principle	IFCC-EPS	IFCC (with/without pyridoxal phosphate activation)		
Reaction Type	Rate	Rate		
Primary Wavelength	410 nm	340 nm		
Measuring Points	20, 27	14, 27		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	90 days	Without P-5P: 30 days With P-5P: 7 days With P-5P AU680 3-part reagent*: 30 days		
Onboard Stability (AU5800)	90 days	Without P-5P: 30 days ; With P-5P: 7 days ; With P-5P 3-part reagent*: 30 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	Run in MB mode	Run in MB mode		
Compatible Anticoagulants	Heparin	Heparin		
Reagent Volume				
> DxC 700 AU	Serum/Plasma: R1=100 µL, R2=25 µL Urine: R1=100 µL, R2=25 µL	R1=25 µL, R2=25 µL With P-5P 3-part reagent*: R1=25 µL, R1-2=5 µL, R2=25 µL		
> AU480/AU680	Serum/Plasma: R1=100 µL, R2=25 µL Urine: R1=100 µL, R2=25 µL	R1=25 µL, R2=25 µL With P-5P AU680 3-part reagent*: R1=25 µL, R1-2=5 µL, R2=25 µL		
> AU5800	Serum/Plasma: R1=75 µL, R2=19 µL Urine: R1=100 µL, R2=25 µL	R1=25 µL, R2=25 µL With P-5P 3-part reagent*: R1=25 µL R1-2=5 µL, R2=25 µL		
Sample Type	Serum/Plasma/Urine	Serum/Plasma		
> DxC 700 AU	Serum/Plasma: 2 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: N/A CSF: N/A		
> AU480/AU680	Serum/Plasma: 2 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: N/A CSF: N/A		
> AU5800	Serum/Plasma: 1.5 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: N/A CSF: N/A		
	SI Units	SI Units		
Analytical Measurement Range	Serum/Plasma: 10-1500 U/L Urine: 10-4800 U/L CSF: N/A	Serum/Plasma: 0.2-25.0 µkat/L Urine: 0.2-80.0 µkat/L CSF: N/A	Serum/Plasma: 3-1000 U/L Urine: N/A CSF: N/A	Serum/Plasma: 0.05-16.67 µkat/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: 28-100 U/L Urine: Male: ≤490 U/L or 280 U/g creatinine Female: ≤450 U/L or 380 U/g creatinine CSF: N/A	Serum/Plasma: 0.46-1.66 µkat/L Urine: Male: ≤8.16 µkat/L Female: ≤7.50 µkat/L CSF: N/A	Serum/Plasma: Male: <50 U/L Female: <35 U/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: <0.85 µkat/L Female: <0.6 µkat/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: ≤5% CV Urine: ≤10% CV CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤10% CV CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A
Comment(s)		*OSR60180		

	Bicarbonate	Calcium Arsenazo		
Abbreviation	CO₂	CALA		
Kit: DxC 700 AU	OSR6190 (4 x 740 tests) OSR6290 (4 x 1,440 tests)	OSR60117 (4 x 890 tests) OSR61117 (4 x 1,700 tests)		
Kit: AU480/AU680	OSR6190 (4 x 580 tests) OSR6290 (4 x 1,160 tests)	OSR60117 (4 x 700 tests) OSR61117 (4 x 1,313 tests)		
Kit: AU5800	OSR6190 (4 x 740 tests) OSR6290 (4 x 1,440 tests)	OSR60117 (4 x 890 tests) OSR61117 (4 x 1,700 tests) OSR66117 (4 x 8,800 tests)		
Calibrator Part Number	ODC0019	Serum/Plasma: 66300 , Urine: ODC0025 or B64606		
Control Name (Part Number)	Control materials with values determined on the Beckman Coulter system	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system		
Measurement Principle	Enzymatic PEP-MD	Arsenazo III		
Reaction Type	Fixed	End		
Primary Wavelength	380 nm	660 nm		
Measuring Points	1, 9	0, 10		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	7 days*	90 days		
Onboard Stability (AU5800)	7 days*	90 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	Daily, depends on usage in laboratory*	User-defined		
Compatible Anticoagulants	Heparin	Heparin		
Reagent Volume				
› DxC 700 AU	R1=32 µL	Serum: R1=16 µL Urine: R1=16 µL		
› AU480/AU680	R1=42 µL	Serum: R1=21 µL Urine: R1=25 µL		
› AU5800	R1=32 µL	Serum: R1=16 µL Urine: R1=16 µL		
Sample Type	Serum/Plasma	Serum/Plasma/Urine		
› DxC 700 AU	Serum/Plasma: 1.9 µL (Pediatric: 1.9 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.9 µL (Pediatric: 2.5 µL) Urine: 1.3 µL CSF: N/A		
› AU480/AU680	Serum/Plasma: 2.5 µL (Pediatric: 2.5 µL) Urine: N/A CSF: N/A	Serum/Plasma: 2.5 µL (Pediatric: 2.5 µL) Urine: 2 µL CSF: N/A		
› AU5800	Serum/Plasma: 1.9 µL (Pediatric: 1.9 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.9 µL (Pediatric: 1.9 µL) Urine: 1.3 µL CSF: N/A		
		SI Units	SI Units	
Analytical Measurement Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: 2-45 mmol/L Urine: N/A CSF: N/A	Serum/Plasma: 4-20 mg/dL Urine: 0-40 mg/dL CSF: N/A	Serum/Plasma: 1-5 mmol/L Urine: 0-10 mmol/L CSF: N/A
Reference Interval	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: Adults: 21-31 mmol/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 8.8-10.6 mg/dL Urine: Female: <250 mg/24 hrs Male: <300 mg/24 hrs CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 2.20-2.65 mmol/L Urine: Female: <6.2mmol/24 hrs Male: <7.5 mmol/24 hrs CSF: N/A For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: ≤7% CV or SD ≤1.5 mmol/L Urine: N/A CSF: N/A	Serum/Plasma: ≤1.25% CV @ >14 mg/dL, SD ≤0.175 mg/dL @ ≤14 mg/dL Urine: ≤2.0% or SD ≤0.28 mg/dL CSF: N/A	Serum/Plasma: ≤1.25% CV @ >3.5 mmol/L, SD ≤0.044 mmol/L @ ≤3.5 mmol/L Urine: ≤2.0% or SD ≤0.07 mmol/L CSF: N/A
Comment(s)	*Air-sensitive reagent, refer to IFU.			

		Calcium oCPC	Cholesterol	
Abbreviation	CA		CHOL	
Kit: DxC 700 AU	OSR6113 (4 x 590 tests) OSR6213 (4 x 1,080 tests)		OSR6116 (4 x 910 tests) OSR6216 (4 x 1,830 tests)	
Kit: AU480/AU680	OSR6113 (4 x 590 tests) OSR6213 (4 x 1,080 tests)		OSR6116 (4 x 910 tests) OSR6216 (4 x 1,830 tests)	
Kit: AU5800	OSR6113 (4 x 720 tests) OSR6213 (4 x 1,310 tests)		OSR6116 (4 x 1,190 tests) OSR6216 (4 x 2,380 tests) OSR6616 (4 x 8,000)	
Calibrator Part Number	Serum/Plasma: 66300 , Urine: ODC0025 or B64606		66300	
Control Name (Part Number)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system		Control Serum 1 & 2 (ODC0003, ODC0004)	
Measurement Principle	o-Cresolphthalein Complexone (oCPC)		CHO-POD	
Reaction Type	End		End	
Primary Wavelength	570 nm		540 nm	
Measuring Points	0, 27/0, 10		0, 27	
Liquid or Lyophilized	Liquid		Liquid	
Onboard Stability	30 days*		90 days	
Onboard Stability (AU5800)	21 days*		90 days	
Storage Temperature	+2 to +8° C		+2 to +8° C	
Calibration Frequency	Daily, depends on usage in laboratory*		User-defined	
Compatible Anticoagulants	Heparin		EDTA, Heparin	
Reagent Volume				
› DxC 700 AU	Serum: R1=45 µL, R2=45 µL Urine: R1=45 µL, R2=45 µL		R1=24 µL	
› AU480/AU680	Serum: R1=45 µL, R2=45 µL Urine: R1=45 µL, R2=45 µL		R1=24 µL	
› AU5800	Serum: R1=36 µL, R2=36 µL Urine: R1=36 µL, R2=36 µL		R1=18 µL	
Sample Type	Serum/Plasma/Urine		Serum/Plasma	
› DxC 700 AU	Serum/Plasma: 3.7 µL (Pediatric: 3.7 µL) Urine: 1.5 µL CSF: N/A		Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
› AU480/AU680	Serum/Plasma: 3.7 µL (Pediatric: 3.7 µL) Urine: 1.5 µL CSF: N/A		Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
› AU5800	Serum/Plasma: 3 µL (Pediatric: 3 µL) Urine: 1.2 µL CSF: N/A		Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	
		SI Units		SI Units
Analytical Measurement Range	Serum/Plasma: 0-18 mg/dL Urine: 0-40 mg/dL CSF: N/A	Serum/Plasma: 0-4.5 mmol/L Urine: 0-10 mmol/L CSF: N/A	Serum/Plasma: 20-700 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.5-18.0 mmol/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Adults: 8.8-10.6 mg/dL Urine: Female: <250 mg/24 hrs Male: <300 mg/24 hrs CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 2.20-2.65 mmol/L Urine: Female: <6.2 mmol/24 hrs Male: <7.5 mmol/24 hrs CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Desirable: <200 mg/dL Borderline High: 200-239 mg/dL High ≥240 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: Desirable: <5.2 mmol/L Borderline High: 5.2-6.2 mmol/L High: ≥6.2 mmol/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A	Serum/Plasma: <3% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤3% CV Urine: N/A CSF: N/A
Comment(s)	*Air-sensitive reagent, refer to IFU.			

Creatine Kinase		Creatinine				
Abbreviation	CK	CRE				
Kit: DxC 700 AU	OSR6179 (4 x 230 tests) OSR6279 (4 x 490 tests)	OSR6178 (4 x 990 tests)				
Kit: AU480/AU680	OSR6179 (4 x 230 tests) OSR6279 (4 x 490 tests)	OSR6178 (4 x 990 tests)				
Kit: AU5800	OSR6179 (4 x 300 tests) OSR6279 (4 x 640 tests)	OSR6178 (4 x 1,215 tests) OSR6678 (4 x 3,800 tests)				
Calibrator Part Number	66300	Serum/Plasma: 66300 , Urine: ODC0025 or B64606				
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system				
Measurement Principle	IFCC-CK (NAC)	Modified Jaffe, Kinetic				
Reaction Type	Rate	Fixed				
Primary Wavelength	340 nm	520 nm				
Measuring Points	21, 27	13, 24				
Liquid or Lyophilized	Liquid	Liquid				
Onboard Stability	30 days	7 days¹				
Onboard Stability (AU5800)	30 days	7 days¹				
Storage Temperature	+2 to +8° C	+2 to +8° C				
Calibration Frequency	Run in MB mode	Daily Calibration*				
Compatible Anticoagulants	Heparin	EDTA, Heparin				
Reagent Volume						
› DxC 700 AU	R1=100 µL, R2=25 µL¹	Serum/Plasma: R1=48 µL, R2=48 µL Urine: R1=47 µL, R2=47 µL				
› AU480/AU680	R1=100 µL, R2=25 µL¹	Serum/Plasma: R1=48 µL, R2=48 µL Urine: R1=47 µL, R2=47 µL				
› AU5800	R1=75 µL, R2=19 µL¹	Serum/Plasma: R1=36 µL, R2=36 µL Urine: R1=35 µL, R2=35 µL				
Sample Type	Serum/Plasma	Serum/Plasma/Urine				
› DxC 700 AU	Serum/Plasma: 2.5 µL Urine: N/A CSF: N/A	Serum/Plasma: 8 µL (Pediatric: 8 µL) Urine: 1.6 µL CSF: N/A				
› AU480/AU680	Serum/Plasma: 2.5 µL Urine: N/A CSF: N/A	Serum/Plasma: 8 µL (Pediatric: 8 µL) Urine: 1.6 µL CSF: N/A				
› AU5800	Serum/Plasma: 1.9 µL Urine: N/A CSF: N/A	Serum/Plasma: 6 µL (Pediatric: 6 µL) Urine: 1.2 µL CSF: N/A				
		SI Units			SI Units	
Analytical Measurement Range	Serum/Plasma: 10-2000 U/L Urine: N/A CSF: N/A	Serum/Plasma: 0.17-33.33 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: Method A: 0.06-25.0 mg/dL Method B: 0.2-25.0 mg/dL Urine: 1-400 mg/dL CSF: N/A		Serum/Plasma: Method A: 5-2200 µmol/L Method B: 18-2200 µmol/L Urine: 88-35360 µmol/L CSF: N/A	
Reference Interval	Serum/Plasma: Male: ≤171 U/L Female: ≤145 U/L Urine: N/A CSF: N/A	Serum/Plasma: Male: ≤2.85 µkat/L Female: ≤2.42 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: Method A: Male: 0.67-1.17 mg/dL Female: 0.51-0.95 mg/dL For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Method B: Male: <50 years: 0.84-1.25 mg/dL Female: 0.66-1.09 mg/dL For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Method A: Male: 59-104 µmol/L Female: 45-84 µmol/L For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Method B: Male: <50 years: 74-110 µmol/L Male: >50 years: 72-127 µmol/L Female: 58-96 µmol/L For pediatric reference interval ranges, refer to IFU.
			Urine: Method A/B: Male: 14-26 mg/kg/24 hrs Female: 11-20 mg/kg/24 hrs CSF: N/A		Urine: Method A/B: Male: 124-230 µmol/kg/24 hrs Female: 97-177 µmol/kg/24 hrs CSF: N/A	
Precision Specification	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A		Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A	
Comment(s)	¹Transfer R1-2 into R1-1 and mix by gentle inversion.		Method A: Kinetic Jaffe (compensated method) traceable to the IDMS reference method; Method B: Kinetic Jaffe uncompensated. *Run QC every 8 hours. ¹Air-sensitive reagent, refer to IFU.			

	Creatinine (Enzymatic)	Direct Bilirubin		
Abbreviation	CREZ	DBIL¹		
Kit: DxC 700 AU	OSR61204 (4 x 360 tests)	OSR6111 (4 x 230 tests) OSR6211 (4 x 780 tests)		
Kit: AU480/AU680	OSR61204 (4 x 360 tests)	OSR6111 (4 x 230 tests) OSR6211 (4 x 780 tests)		
Kit: AU5800	OSR61204 (4 x 450 tests)	OSR6111 (4 x 310 tests) OSR6211 (4 x 1,050 tests) OSR6611 (4 x 7,600 tests)		
Calibrator Part Number	Serum/Plasma: 66300 , Urine: ODC0025 or B64606	66300		
Control Name (Part Number)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system	Control Serum 1 & 2 (ODC0003, ODC0004)		
Measurement Principle	Enzymatic	DPD		
Reaction Type	End	End, Sample Blank (2 cuvettes)		
Primary Wavelength	600 nm	570 nm		
Measuring Points	0, 27/0, 10	0, 2		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	60 days	21 days		
Onboard Stability (AU5800)	60 days	21 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	Serum/Plasma: 14 days Urine: 30 days	21 days		
Compatible Anticoagulants	Heparin	Heparin		
Reagent Volume				
› DxC 700 AU	Serum/Plasma: R1=120 µL, R2=40 µL Urine: R1=150 µL, R2=50 µL	R1=25 µL Pediatric: R1=27 µL		
› AU480/AU680	Serum/Plasma: R1=120 µL, R2=40 µL Urine: R1=150 µL, R2=50 µL	R1=25 µL Pediatric: R1=27 µL		
› AU5800	Serum/Plasma: R1=90 µL, R2=30 µL Urine: R1=150 µL, R2=50 µL	Serum/Plasma: R1=19 µL Pediatric: R1=20 µL		
Sample Type	Serum/Plasma/Urine	Serum/Plasma		
› DxC 700 AU	Serum/Plasma: 5.6 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 2.5 µL (Pediatric: 2.7 µL) Urine: N/A CSF: N/A		
› AU480/AU680	Serum/Plasma: 5.6 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 2.5 µL (Pediatric: 2.7 µL) Urine: N/A CSF: N/A		
› AU5800	Serum/Plasma: 4.2 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 1.9 µL (Pediatric: 2 µL) Urine: N/A CSF: N/A		
			SI Units	
Analytical Measurement Range	Serum/Plasma: 0.05–50.00 mg/dL Urine: 1–500 mg/dL CSF: N/A	Serum/Plasma: 4.4–4420 µmol/L Urine: 88–44200 µmol/L CSF: N/A	Serum/Plasma: 0–10 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0–171 µmol/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Male: 0.72–1.18 mg/dL Female: 0.55–1.02 mg/dL Urine: Male: 14–26 mg/kg/24 hrs Female: 11–20 mg/kg/24 hrs CSF: N/A	Serum/Plasma: Male: 64–104 µmol/L Female: 49–90 µmol/L Urine: Male: 124–230 µmol/kg/24 hrs Female: 97–177 µmol/kg/24 hrs CSF: N/A	Serum/Plasma: Adults and children: <0.2 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: Adults and children: <3.4 µmol/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A	Serum/Plasma: ≤7.5% CV or SD ≤0.23 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: ≤7.5% CV or SD ≤3.9 µmol/L Urine: N/A CSF: N/A
Comment(s)		Both a color test DBIL-C and blank test DBIL-B to be run.		

Gamma-glutamyltransferase

Glucose

Abbreviation	GGT	GLU	
Kit: DxC 700 AU	OSR6020 (4 x 250 tests) OSR6120 (4 x 650 tests)	OSR6121 (4 x 810 tests) OSR6221 (4 x 1,600 tests)	
Kit: AU480/AU680	OSR6020 (4 x 250 tests) OSR6120 (4 x 650 tests)	OSR6121 (4 x 610 tests) OSR6221 (4 x 1,300 tests)	
Kit: AU5800	OSR6020 (4 x 325 tests) OSR6120 (4 x 810 tests) OSR6620 (4 x 3,000 tests)	OSR6121 (4 x 810 tests) OSR6221 (4 x 1,600 tests) OSR6621 (4 x 4,700 tests)	
Calibrator Part Number	66300	Serum/Plasma/CSF/Hemolysate: 66300 Urine: ODC0025 or B64606	
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	Serum/Plasma/Hemolysate: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system CSF: N/A	
Measurement Principle	IFCC	Hexokinase	
Reaction Type	Rate	End	
Primary Wavelength	410 nm	340 nm	
Measuring Points	16, 23	0, 27/0, 10	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	30 days	30 days	
Onboard Stability (AU5800)	30 days	30 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	Run in MB mode	30 days	
Compatible Anticoagulants	EDTA, Heparin	EDTA, Heparin	
Reagent Volume			
› DxC 700 AU	R1=64 µL, R2=64 µL	Serum/Plasma/CSF/Hemolysate/Urine: R1=30 µL, R2=15 µL Pediatric: R1=40 µL, R2=20 µL	
› AU480/AU680	R1=64 µL, R2=64 µL	Serum/Plasma/CSF/Hemolysate: R1=40 µL, R2=20 µL Urine: R1=30 µL, R2=15 µL	
› AU5800	Serum/Plasma: R1=48 µL, R2=48 µL Pediatric: R1=64 µL, R2=64 µL	R1=30 µL, R2=15 µL	
Sample Type	Serum/Plasma	Serum/Plasma/Urine/CSF/Hemolysate	
› DxC 700 AU	Serum/Plasma: 4 µL (Pediatric: 4 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL (Pediatric: 1.6 µL) Urine: 1.2 µL CSF: 1.2 µL Hemolysate: 12 µL	
› AU480/AU680	Serum/Plasma: 4 µL (Pediatric: 4 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: 1.2 µL CSF: 1.6 µL Hemolysate: 16 µL	
› AU5800	Serum/Plasma: 3 µL (Pediatric: 4 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: 1.2 µL CSF: 1.2 µL Hemolysate: 12 µL	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 5-1200 U/L Urine: N/A CSF: N/A	Serum/Plasma: 0.08-20.00 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 0.6-45.0 mmol/L Urine: 0.1-0.8 mmol/L CSF: 0.6-45.0 mmol/L Hemolysate: 0.6-45.0 mmol/L
Reference Interval	Serum/Plasma: Male: <55 U/L Female: <38 U/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: <0.92 µkat/L Female: <0.63 µkat/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 4.1-5.9 mmol/L Urine: 0.1-0.8 mmol/L CSF: 2.2-3.9 mmol/L Hemolysate: 3.3-5.5 mmol/L For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤3% CV Urine: ≤3% CV CSF: ≤3% CV Hemolysate: ≤5% CV
Comment(s)			

	HDL Cholesterol	Hydroxybutyrate Dehydrogenase	
Abbreviation	HDL-C	HBDH	
Kit: DxC 700 AU	OSR6187 (4 x 185 tests) OSR6287 (4 x 350 tests)	OSR6129 (4 x 230 tests)	
Kit: AU480/AU680	OSR6187 (4 x 185 tests) OSR6287 (4 x 350 tests)	OSR6129 (4 x 230 tests)	
Kit: AU5800	OSR6187 (4 x 240 tests) OSR6287 (4 x 455 tests) OSR6687 (4 x 1,100 tests)	OSR6129 (4 x 230 tests)	
Calibrator Part Number	ODC0011	66300	
Control Name (Part Number)	HDL/LDL-Cholesterol Control Serum Levels 1 & 2 (ODC0005)	Control Serum 1 & 2 (ODC0003, ODC0004)	
Measurement Principle	Enzymatic Immunoinhibition	GSCC	
Reaction Type	End	Rate	
Primary Wavelength	600 nm	340 nm	
Measuring Points	0, 27/0, 10	13, 27	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	30 days	30 days	
Onboard Stability (AU5800)	30 days	30 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	Reagent blank: 7 days Calibration: 30 days	Run in MB mode	
Compatible Anticoagulants	Heparin	Heparin	
Reagent Volume			
› DxC 700 AU	R1=144 µL, R2=48 µL	R1=63 µL, R2=63 µL	
› AU480/AU680	R1=144 µL, R2=48 µL	R1=63 µL, R2=63 µL	
› AU5800	R1=108 µL, R2=36 µL	R1=63 µL, R2=63 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
› DxC 700 AU	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	Serum/Plasma: 2.5 µL Urine: N/A CSF: N/A	
› AU480/AU680	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	Serum/Plasma: 2.5 µL Urine: N/A CSF: N/A	
› AU5800	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	Serum/Plasma: 2.5 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 2-180 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.05-4.65 mmol/L Urine: N/A CSF: N/A	Serum/Plasma: 40-1000 U/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Low HDL: <40 mg/dL High HDL: ≥60 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: Low HDL: <1.03 mmol/L High HDL: ≥1.55 mmol/L Urine: N/A CSF: N/A	Serum/Plasma: Adults: 90-180 U/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤4% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤4% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A
Comment(s)			

	Iron	LDL Cholesterol		
Abbreviation	IRON	LDL-C		
Kit: DxC 700 AU	OSR6186 (4 x 500 tests) OSR6286 (4 x 937 tests)	OSR6183 (4 x 185 tests) OSR6283 (4 x 350 tests)		
Kit: AU480/AU680	OSR6186 (4 x 500 tests) OSR6286 (4 x 970 tests)	OSR6183 (4 x 185 tests) OSR6283 (4 x 350 tests)		
Kit: AU5800	OSR6186 (4 x 500 tests) OSR6286 (4 x 937 tests)	OSR6183 (4 x 240 tests) OSR6283 (4 x 455 tests)		
Calibrator Part Number	66300	ODC0012		
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	HDL/LDL-Cholesterol Control Serum Levels 1 & 2 (ODC0005)		
Measurement Principle	TPTZ	Enzymatic Selective Protection		
Reaction Type	End	End		
Primary Wavelength	600 nm	600 nm		
Measuring Points	0, 12/0, 10	0, 27/0, 10		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	60 days	30 days		
Onboard Stability (AU5800)	60 days	30 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	User-defined	Reagent Blank: 7 days Calibration: 30 days		
Compatible Anticoagulants	Heparin	Heparin		
Reagent Volume				
> DxC 700 AU	R1=30 µL, R2=30 µL	R1=144 µL, R2=48 µL		
> AU480/AU680	R1=30 µL, R2=30 µL	R1=144 µL, R2=48 µL		
> AU5800	R1=30 µL, R2=30 µL	R1=108 µL, R2=36 µL		
Sample Type	Serum/Plasma	Serum/Plasma		
> DxC 700 AU	Serum/Plasma: 12 µL (Pediatric: 12 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A		
> AU480/AU680	Serum/Plasma: 12 µL (Pediatric: 12 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A		
> AU5800	Serum/Plasma: 12 µL¹ Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A		
	SI Units	SI Units		
Analytical Measurement Range	Serum/Plasma: 10-1000 µg/dL Urine: N/A CSF: N/A	Serum/Plasma: 2-179 µmol/L Urine: N/A CSF: N/A	Serum/Plasma: 10-400 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.26-10.3 mmol/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Male: 70-180 µg/dL Female: 60-180 µg/dL Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: 12.5-32.2 µmol/L Female: 10.7-32.2 µmol/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Optimal: <2.6 mmol/L Near optimal/Above optimal: 2.6-3.3 mmol/L Borderline high: 3.4-4.1 mmol/L High: 4.1-4.9 mmol/L Very high: ≥4.9 mmol/L Urine: N/A CSF: N/A	Serum/Plasma: Optimal: <100 mg/dL Near optimal/Above optimal: 100-129 mg/dL Borderline high: 130-159 mg/dL High: 160-189 mg/dL Very high: ≥190 mg/dL Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤4% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤4% CV Urine: N/A CSF: N/A
Comment(s)	¹Pediatric settings not available for AU5800.			

Lipase

Lipase NG

Abbreviation	LIP	LPS
Kit: DxC 700 AU	OSR6130 (4 x 70 tests) OSR6230 (4 x 230 tests)	B82715 (2 x 225 tests)
Kit: AU480/AU680	OSR6130 (4 x 50 tests) OSR6230 (4 x 180 tests)	B82715 (2 x 225 tests)
Kit: AU5800	OSR6130 (4 x 70 tests) OSR6230 (4 x 230 tests)	Not available
Calibrator Part Number	Included in kit or 66300	B83544
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	No specific recommendation
Measurement Principle	Colorimetric	Methylresorufin (DGGR)
Reaction Type	Rate	Fixed
Primary Wavelength	540 nm	570
Measuring Points	17, 27	13, 20
Liquid or Lyophilized	Liquid/Lyophilized	Liquid
Onboard Stability	21 days	30 days
Onboard Stability (AU5800)	21 days	-
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	7 days	30 days
Compatible Anticoagulants	Heparin	Lithium or Sodium Heparin
Reagent Volume		
> DxC 700 AU	R1=108 µL, R2=36 µL¹	R1=200 µl, R2=70 µl
> AU480/AU680	R1=144 µL, R2=48 µL¹	R1=200 µl, R2=70 µl
> AU5800	R1=108 µL, R2=36 µL¹	Not available
Sample Type	Serum/Plasma	Serum/Plasma
> DxC 700 AU	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	2 µl
> AU480/AU680	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	2 µl
> AU5800	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	Not available

		SI Units		SI Units
Analytical Measurement Range	Serum/Plasma: 3-600 U/L Urine: N/A CSF: N/A	Serum/Plasma: 0.05-10 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 4-300 U/L Urine: Normal: N/A CSF: N/A	
Reference Interval	Serum/Plasma: <67 U/L Adults: <67 U/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: <1.12 µkat/L Adults: <1.12 µkat/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: ≤60 U/L Urine: Normal: N/A CSF: N/A	
Precision Specification	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	LI: 26.5 U/L; 0.6; 2.45	

Comment(s)	Dissolve contents of 1 vial of RI with the contents of 1 vial of RI buffer			
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	Magnesium	Phosphorus (Inorganic)		
Abbreviation	MG	PHOS		
Kit: DxC 700 AU	OSR6189 (4 x 250 tests)	OSR6122 (4 x 590 tests) OSR6222 (4 x 1,570 tests)		
Kit: AU480/AU680	OSR6189 (4 x 250 tests)	OSR6122 (4 x 590 tests) OSR6222 (4 x 1,570 tests)		
Kit: AU5800	OSR6189 (4 x 250 tests)	OSR6122 (4 x 790 tests) OSR6222 (4 x 2,100 tests)		
Calibrator Part Number	Serum/Plasma: 66300 , Urine: ODC0025 or B64606	Serum/Plasma: 66300 , Urine: ODC0025 or B64606		
Control Name (Part Number)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system		
Measurement Principle	Xylidyl Blue, Colourimetric, Tris-buffer	Phosphomolybdate Complex		
Reaction Type	End	End		
Primary Wavelength	520 nm	340 nm		
Measuring Points	0, 10	0, 27/0, 10		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	14 days	30 days		
Onboard Stability (AU5800)	14 days	30 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	7 days	30 days		
Compatible Anticoagulants	Heparin	Heparin		
Reagent Volume				
› DxC 700 AU	Serum: R1=160 µL Urine: R1=170 µL	R1=25 µL, R2=25 µL		
› AU480/AU680	Serum: R1=160 µL Urine: R1=200 µL	R1=25 µL, R2=25 µL		
› AU5800	Serum: R1=160 µL Urine: R1=170 µL	R1=19 µL, R2=19 µL		
Sample Type	Serum/Plasma/Urine	Serum/Plasma/Urine		
› DxC 700 AU	Serum/Plasma: 1.6 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 2.5 µL Urine: 1.7 µL of a 1/10 pre-dilution CSF: N/A		
› AU480/AU680	Serum/Plasma: 1.6 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 2.5 µL Urine: 1.7 µL of a 1/10 pre-dilution CSF: N/A		
› AU5800	Serum/Plasma: 1.6 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 1.9 µL Urine: 1.3 µL of a 1/10 pre-dilution CSF: N/A		
	SI Units	SI Units		
Analytical Measurement Range	Serum/Plasma: 0.5-8.0 mg/dL Urine: All analyzers except AU5800 & DxC 700 AU: 0.5-22.5 mg/dL AU5800/DxC 700 AU: 0.5-18.9 mg/dL CSF: N/A	Serum/Plasma: 0.2-3.3 mmol/L Urine: All analyzers except AU5800 & DxC 700 AU: 0.2-9.25 mmol/L AU5800/DxC 700 AU: 0.2-7.8 mmol/L CSF: N/A	Serum/Plasma: 1-20 mg/dL Urine: 0-350 mg/dL CSF: N/A	Serum/Plasma: 0.32-6.40 mmol/L Urine: 0-113 mmol/L CSF: N/A
Reference Interval	Serum/Plasma: Male: 1.8-2.6 mg/dL Female: 1.9-2.5 mg/dL Urine: 73-122 mg/24 hrs CSF: N/A	Serum/Plasma: Male: 0.73-1.06 mmol/L Female: 0.77-1.03 mmol/L Urine: 3-5 mmol/24 hrs CSF: N/A	Serum/Plasma: 2.5-4.5 mg/dL Urine: 0.4-1.3 g/24 hrs CSF: N/A	Serum/Plasma: 0.81-1.45 mmol/L Urine: 12.9-42 mmol/24 hrs CSF: N/A
Precision Specification	Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤5% CV or SD 2.48 mg/dL @ ≤46.5 mg/dL CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤5% CV or SD ≤0.8 mmol/L @ ≤15 mmol/L CSF: N/A
Comment(s)				

	Total Bilirubin	Total Protein		
Abbreviation	TBIL ¹	TP		
Kit: DxC 700 AU	OSR6112 (4 x 590 tests) OSR6212 (4 x 1,570 tests)	OSR6132 (4 x 750 tests) OSR6232 (4 x 1,440 tests)		
Kit: AU480/AU680	OSR6112 (4 x 590 tests) OSR6212 (4 x 1,570 tests)	OSR6132 (4 x 750 tests) OSR6232 (4 x 1,440 tests)		
Kit: AU5800	OSR6112 (4 x 750 tests) OSR6212 (4 x 2,020 tests) OSR6612 (4 x 7,300 tests)	OSR6132 (4 x 980 tests) OSR6232 (4 x 1,880 tests) OSR6632 (4 x 6,000 tests)		
Calibrator Part Number	66300	66300		
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	Control Serum 1 & 2 (ODC0003, ODC0004)		
Measurement Principle	DPD	Biuret		
Reaction Type	End, Sample Blank (2 cuvette)	End		
Primary Wavelength	540 nm	540 nm		
Measuring Points	0, 10	0, 27/0, 10		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	90 days	30 days*		
Onboard Stability (AU5800)	90 days	21 days*		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	User-defined	User-defined*		
Compatible Anticoagulants	EDTA, Heparin	EDTA, Heparin		
Reagent Volume				
> DxC 700 AU	R1=25 µL Pediatric: R1=26 µL	R1=33 µL, R2=33 µL		
> AU480/AU680	R1=25 µL Pediatric: R1=26 µL	R1=33 µL, R2=33 µL		
> AU5800	R1=20 µL	R1=25 µL, R2=25 µL		
Sample Type	Serum/Plasma	Serum/Plasma		
> DxC 700 AU	Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: N/A CSF: N/A	Serum/Plasma: 5 µL Urine: N/A CSF: N/A		
> AU480/AU680	Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: N/A CSF: N/A	Serum/Plasma: 5 µL Urine: N/A CSF: N/A		
> AU5800	Serum/Plasma: 4 µL (Pediatric: 3.8 µL) Urine: N/A CSF: N/A	Serum/Plasma: 3 µL Urine: N/A CSF: N/A		
	SI Units	SI Units		
Analytical Measurement Range	Serum/Plasma: 0-30 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0-513 µmol/L Urine: N/A CSF: N/A	Serum/Plasma: 3-12 g/dL Urine: N/A CSF: N/A	Serum/Plasma: 30-120 g/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Adults: 0.3-1.2 mg/dL Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 5-21 µmol/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: 6.6-8.3 g/dL Urine: N/A CSF: N/A	Serum/Plasma: 66-83 g/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤5% CV or SD ≤0.10 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV or SD ≤1.71 µmol/L Urine: N/A CSF: N/A	Serum/Plasma: ≤4% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤4% CV Urine: N/A CSF: N/A
Comment(s)	¹ Both a color test TBIL-C and blank test TBIL-B need to be run.		*Depends on usage pattern in laboratory. Air-sensitive reagent, refer to IFU.	

	Triglyceride	Unsaturated Iron-Binding Capacity	
Abbreviation	TRIG	UIBC	
Kit: DxC 700 AU	OSR60118 (4 x 280 tests) OSR61118 (4 x 750 tests)	OSR61205 (4 x 200 tests)	
Kit: AU480/AU680	OSR60118 (4 x 290 tests) OSR61118 (4 x 750 tests)	OSR61205 (4 x 200 tests)	
Kit: AU5800	OSR60118 (4 x 280 tests) OSR61118 (4 x 750 tests) OSR66118 (4 x 2,100 tests)	OSR61205 (4 x 200 tests)	
Calibrator Part Number	66300	66300	
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	Control Serum 1 & 2 (ODC0003, ODC0004)	
Measurement Principle	GPO-POD	Nitroso-PSAP	
Reaction Type	End	End	
Primary Wavelength	660 nm	800 nm	
Measuring Points	0, 27/0, 10	0, 27/0, 10	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	30 days	30 days	
Onboard Stability (AU5800)	30 days	30 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	30 days	14 days	
Compatible Anticoagulants	EDTA, Heparin	Heparin	
Reagent Volume			
> DxC 700 AU	R1=66 µL, R2=17 µL	R1=120 µL, R2=24 µL¹	
> AU480/AU680	R1=66 µL, R2=17 µL	R1=120 µL, R2=24 µL¹	
> AU5800	R1=66 µL, R2=17 µL	R1=120 µL, R2=24 µL¹	
Sample Type	Serum/Plasma	Serum/Plasma	
> DxC 700 AU	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: 8 µL Urine: N/A CSF: N/A	
> AU480/AU680	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: 8 µL Urine: N/A CSF: N/A	
> AU5800	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: 8 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 10-1000 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.1-11.3 mmol/L Urine: N/A CSF: N/A	Serum/Plasma: 55-550 µg/dL Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Normal: <150 mg/dL Borderline high: 150-199 mg/dL High: 200-499 mg/dL Very high: ≥ 500 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: Normal: <1.7 mmol/L Borderline high: 1.70-2.25 mmol/L High: 2.26-5.64 mmol/L Very high: ≥ 5.65 mmol/L Urine: N/A CSF: N/A	Serum/Plasma: 155-355 µg/dL Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A
Comment(s)		¹ Transfer R1a into R1 and R2a into R2.	

	Urea			Urea - STAT
Abbreviation	UREA			UREAS
Kit: DxC 700 AU	OSR6134 (4 x 610 tests) OSR6234 (4 x 1,230 tests)			OSR6141 (4 x 615 tests)
Kit: AU480/AU680	OSR6134 (4 x 620 tests) OSR6234 (4 x 1,230 tests)			OSR6141 (4 x 620 tests) OSR6541 (4 x 1,200 tests) ¹
Kit: AU5800	OSR6134 (4 x 610 tests) OSR6234 (4 x 1,230 tests) OSR6634 (4 x 3,700 tests)			OSR6141 (4 x 615 tests) OSR6641 (4 x 1,900 tests)
Calibrator Part Number	Serum/Plasma: 66300 , Urine: ODC0025 or B64606			Serum/Plasma: 66300 , Urine: ODC0025 or B64606
Control Name (Part Number)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system			Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system
Measurement Principle	GLDH, Kinetic Assay			GLDH, Kinetic Assay
Reaction Type	Rate			Rate
Primary Wavelength	340 nm			340 nm
Measuring Points	12, 18			2, 6
Liquid or Lyophilized	Liquid			Liquid
Onboard Stability	30 days			21 days
Onboard Stability (AU5800)	30 days			21 days
Storage Temperature	+2 to +8° C			+2 to +8° C
Calibration Frequency	User-defined*			User-defined*
Compatible Anticoagulants	EDTA, Lithium Heparin			EDTA, Lithium Heparin
Reagent Volume				
> DxC 700 AU	R1=40 µL, R2=40 µL			R1=80 µL¹
> AU480/AU680	R1=40 µL, R2=40 µL			R1=80 µL¹
> AU5800	R1=40 µL, R2=40 µL			R1=80 µL¹
Sample Type	Serum/Plasma/Urine			Serum/Plasma/Urine
> DxC 700 AU	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: 1.6 µL of a 1/10 pre-dilution CSF: N/A			Serum/Plasma: 2 µL Urine: 1.6 µL of a 1/10 pre-dilution CSF: N/A
> AU480/AU680	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: 1.6 µL of a 1/10 pre-dilution CSF: N/A			Serum/Plasma: 2 µL Urine: 1.6 µL of a 1/10 pre-dilution CSF: N/A
> AU5800	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: 1.6 µL of a 1/10 pre-dilution CSF: N/A			Serum/Plasma: 2 µL Urine: 1.6 µL of a 1/10 pre-dilution CSF: N/A
		SI Units		SI Units
Analytical Measurement Range	Serum/Plasma: 5-300 mg/dL Urine: 60-4500 mg/dL CSF: N/A	Serum/Plasma: 0.8-50.0 mmol/L Urine: 10-750 mmol/L CSF: N/A	Serum/Plasma: 5-300 mg/dL Urine: 60-4,500 mg/dL CSF: N/A	Serum/Plasma: 0.8-50.0 mmol/L Urine: 10-750 mmol/L CSF: N/A
Reference Interval	Serum/Plasma: Adults: 17-43 mg/dL Urine: 15000-34200 mg/24 hrs CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 2.8-7.2 mmol/L Urine: 250-570 mmol/24 hrs CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: 17-43 mg/dL Urine: 15000-34200 mg/24 hrs CSF: N/A	Serum/Plasma: 2.8-7.2 mmol/L Urine: 250-570 mmol/24 hrs
Precision Specification	Serum/Plasma: ≤5% CV Urine: ≤10% CV CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤10% CV CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A	Serum/Plasma: ≤5% CV Urine: ≤5% CV CSF: N/A
Comment(s)	*Depends on usage pattern in laboratory, refer to IFU.		*Depends on pattern usage in laboratory, refer to IFU. ¹ Slowly add contents of R1-2 to R1, mix gently by inversion.	

Uric Acid

Urinary/CSF Protein

Abbreviation	UA	UCSFP	
Kit: DxC 700 AU	OSR6098 (4 x 250 tests) OSR6198 (4 x 625 tests) OSR6298 (4 x 880 tests)	OSR6170 (4 x 125 tests)	
Kit: AU480/AU680	OSR6098 (4 x 250 tests) OSR6198 (4 x 625 tests) OSR6298 (4 x 880 tests)	OSR6170 (4 x 125 tests)	
Kit: AU5800	OSR6098 (4 x 320 tests) OSR6198 (4 x 800 tests) OSR6298 (4 x 1,140 tests) OSR6698 (4 x 2,700 tests)	OSR6170 (4 x 165 tests)	
Calibrator Part Number	Serum/Plasma: 66300 , Urine: ODC0025 or B64606	Urine/CSF: Included in kit	
Control Name (Part Number)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system	Urine: Control materials with values determined on the Beckman Coulter system CSF: Control materials with values determined on the Beckman Coulter system	
Measurement Principle	Uricase PAP	Pyrogallol Red Molybdate	
Reaction Type	End	End	
Primary Wavelength	660 nm	600 nm	
Measuring Points	0, 27/0, 10	0, 10	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	30 days	90 days	
Onboard Stability (AU5800)	30 days	90 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	30 days	User-defined	
Compatible Anticoagulants	EDTA, Heparin	N/A	
Reagent Volume			
› DxC 700 AU	R1=48 µL, R2=20 µL	R1=152 µL	
› AU480/AU680	R1=48 µL, R2=20 µL	R1=152 µL	
› AU5800	Serum/Plasma: R1=36 µL, R2=15 µL Urine: R1=48 µL, R2=20 µL	R1=114 µL	
Sample Type	Serum/Plasma/Urine	Urine/CSF	
› DxC 700 AU	Serum/Plasma: 5.6 µL Urine: 1.2 µL CSF: N/A	Serum/Plasma: N/A Urine: 1.6 µL CSF: 1.6 µL	
› AU480/AU680	Serum/Plasma: 5.6 µL Urine: 1.2 µL CSF: N/A	Serum/Plasma: N/A Urine: 1.6 µL CSF: 1.6 µL	
› AU5800	Serum/Plasma: 4.2 µL Urine: 1.2 µL CSF: N/A	Serum/Plasma: N/A Urine: 1.2 µL CSF: 1.2 µL	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 1.5-30 mg/dL Urine: 2-400 mg/dL CSF: N/A	Serum/Plasma: 89-1785 µmol/L Urine: 119-23800 µmol/L CSF: N/A	Serum/Plasma: N/A Urine: 1-200 mg/dL CSF: 1-200 mg/dL
Reference Interval	Serum/Plasma: Male: 3.5-7.2 mg/dL Female: 2.6-6.0 mg/dL Urine: 250-750 mg/24 hrs CSF: N/A	Serum/Plasma: Male: 208.3-428.4 µmol/L Female: 154.7-357.0 µmol/L Urine: 1488-4463 µmol/24 hrs CSF: N/A	Serum/Plasma: N/A Urine: 50-80 mg/24 hrs at rest CSF: Adults: 15-45 mg/dL
Precision Specification	Serum/Plasma: ≤3% CV Urine: ≤5% CV CSF: N/A	Serum/Plasma: ≤3% CV Urine: ≤5% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤10% CV CSF: ≤10% CV
Comment(s)			

Alpha-1-Acidglycoprotein		Alpha-1-Antitrypsin	
Abbreviation	AAG	AAT	
Kit: DxC 700 AU	OSR6162 (4 x 160 tests)	OSR6163 (4 x 160 tests)	
Kit: AU480/AU680	OSR6162 (4 x 120 tests)	OSR6163 (4 x 120 tests)	
Kit: AU5800	OSR6162 (4 x 160 tests)	OSR6163 (4 x 160 tests)	
Calibrator Part Number	ODR3023	ODR3023	
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	
Measurement Principle	Immunoturbidimetric	Immunoturbidimetric	
Reaction Type	End	End	
Primary Wavelength	660 nm	600 nm	
Measuring Points	0, 27/0, 10	0, 27/0, 10	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	90 days	90 days	
Onboard Stability (AU5800)	90 days	90 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	14 days	90 days	
Compatible Anticoagulants	Heparin	Heparin	
Reagent Volume			
> DxC 700 AU	R1=120 µL, R2=27 µL	R1=120 µL, R2=39 µL	
> AU480/AU680	R1=160 µL, R2=36 µL	R1=160 µL, R2=52 µL	
> AU5800	R1=120 µL, R2=27 µL	R1=120 µL, R2=39 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
> DxC 700 AU	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	
> AU480/AU680	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
> AU5800	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 20-200 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.2-2.0 g/L Urine: N/A CSF: N/A	Serum/Plasma: 30-500 mg/dL Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: 50-120 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.5-1.2 g/L Urine: N/A CSF: N/A	Serum/Plasma: 90-200 mg/dL Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A
Comment(s)			

Anti-Streptolysin O		Apolipoprotein A1	
Abbreviation	ASO	APO A1	
Kit: DxC 700 AU	OSR6194 (4 x 430 tests)	OSR6142 (4 x 250 tests)	
Kit: AU480/AU680	OSR6194 (4 x 330 tests)	OSR6142 (4 x 250 tests)	
Kit: AU5800	OSR6194 (4 x 430 tests)	OSR6142 (4 x 330 tests)	
Calibrator Part Number	ODR3021	ODR3022 (5-point calibration)	
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	Control Serum 1 & 2 (ODC0003, ODC0004)	
Measurement Principle	Latex Particle Immunoturbidimetric	Immunoturbidimetric	
Reaction Type	Fixed	End	
Primary Wavelength	600 nm	540 nm	
Measuring Points	11, 16	0, 27/0, 10	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	60 days	90 days	
Onboard Stability (AU5800)	60 days	90 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	User-defined	90 days	
Compatible Anticoagulants	N/A	N/A	
Reagent Volume			
> DxC 700 AU	R1=109 µL, R2=15 µL¹	R1=52 µL, R2=52 µL	
> AU480/AU680	R1=146 µL, R2=20 µL¹	R1=52 µL, R2=52 µL	
> AU5800	R1=109 µL, R2=15 µL¹	R1=39 µL, R2=39 µL	
Sample Type	Serum	Serum	
> DxC 700 AU	Serum: 1.2 µL Urine: N/A CSF: N/A	Serum: 1.6 µL Urine: N/A CSF: N/A	
> AU480/AU680	Serum: 1.6 µL Urine: N/A CSF: N/A	Serum: 1.6 µL Urine: N/A CSF: N/A	
> AU5800	Serum: 1.2 µL Urine: N/A CSF: N/A	Serum: 1.2 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum: N/A Urine: N/A CSF: N/A	Serum: 100-1000 IU/mL Urine: N/A CSF: N/A	Serum: 40-250 mg/dL Urine: N/A CSF: N/A
Reference Interval	Serum: N/A Urine: N/A CSF: N/A	Serum: Adults: ≤200 IU/mL Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum: Male: 105-175 mg/dL Female: 105-205 mg/dL Urine: N/A CSF: N/A
Precision Specification	Serum: N/A Urine: N/A CSF: N/A	Serum: ≤10% CV Urine: N/A CSF: N/A	Serum: ≤10% CV Urine: N/A CSF: N/A
Comment(s)	¹ Gently invert R2 5-10 times before placing on instrument and weekly thereafter.		

	Apolipoprotein B	Beta-2 Microglobulin	
Abbreviation	APO B	B2M	
Kit: DxC 700 AU	OSR6143 (4 x 250 tests)	OSR6151 (4 x 150 tests)	
Kit: AU480/AU680	OSR6143 (4 x 250 tests)	OSR6151 (4 x 130 tests)	
Kit: AU5800	OSR6143 (4 x 340 tests)	OSR6151 (4 x 150 tests)	
Calibrator Part Number	ODR3022 (5-point calibration)	ODR3023	
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	
Measurement Principle	Immunoturbidimetric	Latex Particle Immunoturbidimetric	
Reaction Type	End	Fixed	
Primary Wavelength	340 nm	570 nm	
Measuring Points	0, 27/0, 10	12, 21	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	90 days	90 days	
Onboard Stability (AU5800)	90 days	90 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	User-defined	90 days	
Compatible Anticoagulants	N/A	EDTA, Heparin	
Reagent Volume			
> DxC 700 AU	R1=52 µL, R2=28 µL	R1=60 µL, R2=48 µL	
> AU480/AU680	R1=52 µL, R2=28 µL	R1=80 µL, R2=64 µL	
> AU5800	R1=39 µL, R2=21 µL	R1=60 µL, R2=48 µL	
Sample Type	Serum	Serum/Plasma	
> DxC 700 AU	Serum: 1.6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	
> AU480/AU680	Serum: 1.6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
> AU5800	Serum: 1.2 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum: 40-200 mg/dL Urine: N/A CSF: N/A	Serum: 0.4-2.0 g/L Urine: N/A CSF: N/A	Serum/Plasma: 0.05-1.6 mg/dL Urine: N/A CSF: N/A
Reference Interval	Serum: Male: 60-140 mg/dL Female: 55-130 mg/dL Urine: N/A CSF: N/A	Serum: Male: 0.60-1.40 g/L Female: 0.55-1.30 g/L Urine: N/A CSF: N/A	Serum/Plasma: <60 years: 0.08-0.24 mg/dL >60 years: <0.3 mg/dL Urine: N/A CSF: N/A
Precision Specification	Serum: ≤10% CV Urine: N/A CSF: N/A	Serum: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A
Comment(s)			

	Ceruloplasmin	Complement 3	
Abbreviation	CER	C3	
Kit: DxC 700 AU	OSR6164 (4 x 120 tests)	OSR6159 (4 x 260 tests)	
Kit: AU480/AU680	OSR6164 (4 x 100 tests)	OSR6159 (4 x 260 tests)	
Kit: AU5800	OSR6164 (4 x 120 tests)	OSR6159 (4 x 320 tests)	
Calibrator Part Number	ODR3023	ODR3021	
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	
Measurement Principle	Immunoturbidimetric	Immunoturbidimetric	
Reaction Type	End	End	
Primary Wavelength	340 nm	380 nm	
Measuring Points	0, 27/0, 10	0, 27/0, 10	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	90 days	90 days	
Onboard Stability (AU5800)	90 days	90 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	14 days	90 days	
Compatible Anticoagulants	Heparin	EDTA, heparin	
Reagent Volume			
> DxC 700 AU	R1=158 µL, R2=44 µL	R1=40 µL, R2=32 µL	
> AU480/AU680	R1=180 µL, R2=50 µL	R1=40 µL, R2=32 µL	
> AU5800	R1=158 µL, R2=44 µL	R1=30 µL, R2=24 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
> DxC 700 AU	Serum/Plasma: 1.8 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	
> AU480/AU680	Serum/Plasma: 2 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	
> AU5800	Serum/Plasma: 1.8 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 6-200 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 60-2000 mg/L Urine: N/A CSF: N/A	Serum/Plasma: 15-500 mg/dL Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: 20-60 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 200-600 mg/L Urine: N/A CSF: N/A	Serum/Plasma: 0.15-5.00 g/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤10% CV or SD ≤2 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV or SD ≤20 mg/L Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A
Comment(s)			

Complement 4		C-Reactive Protein	
Abbreviation	C4	CRP	
Kit: DxC 700 AU	OSR6160 (4 x 260 tests)	OSR6147 (4 x 300 tests)	
Kit: AU480/AU680	OSR6160 (4 x 260 tests)	OSR6147 (4 x 200 tests)	
Kit: AU5800	OSR6160 (4 x 320 tests)	OSR6147 (4 x 300 tests)	
Calibrator Part Number	ODR3021	ODR3021	
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	
Measurement Principle	Immunoturbidimetric	Immunoturbidimetric	
Reaction Type	End	Fixed	
Primary Wavelength	340 nm	340 nm	
Measuring Points	0, 27/0, 10	11, 27	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	90 days	90 days	
Onboard Stability (AU5800)	90 days	90 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	90 days	90 days	
Compatible Anticoagulants	EDTA, heparin	Heparin	
Reagent Volume			
> DxC 700 AU	R1=40 µL, R2=32 µL	R1=47 µL, R2=20 µL	
> AU480/AU680	R1=40 µL, R2=32 µL	R1=70 µL, R2=30 µL	
> AU5800	R1=30 µL, R2=24 µL	R1=47 µL, R2=20 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
> DxC 700 AU	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: 11.9 µL Urine: N/A CSF: N/A	
> AU480/AU680	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: 18 µL Urine: N/A CSF: N/A	
> AU5800	Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: N/A CSF: N/A	Serum/Plasma: 11.9 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 8-150 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.08-1.5 g/L Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Adults and children: 10-40 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: Adults and children: 0.1-0.4 g/L Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Comment(s)		¹ Use the greater number.	

		C-Reactive Protein	C-Reactive Protein, High Sensitivity	
Abbreviation	CRPN		CRPHS	
Kit: DxC 700 AU	OSR6199 (4 x 300 tests) OSR6299 (4 x 530 tests)		OSR6199 (4 x 380 tests) OSR6299 (4 x 670 tests)	
Kit: AU480/AU680	OSR6199 (4 x 230 tests) OSR6299 (4 x 400 tests)		OSR6199 (4 x 380 tests) OSR6299 (4 x 670 tests)	
Kit: AU5800	OSR6199 (4 x 300 tests) OSR6299 (4 x 530 tests)		OSR6199 (4 x 440 tests) OSR6299 (4 x 800 tests)	
Calibrator Part Number	ODC0026*		ODC0027*	
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)		CRP Latex Control Serum (ODC0013 Level 1 & 2) or ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	
Measurement Principle	Latex Particle Immunoturbidimetric		Latex Particle Immunoturbidimetric	
Reaction Type	Fixed		Fixed	
Primary Wavelength	570 nm		570 nm	
Measuring Points	12, 22		12, 22	
Liquid or Lyophilized	Liquid		Liquid	
Onboard Stability	90 days		90 days	
Onboard Stability (AU5800)	90 days		90 days	
Storage Temperature	+2 to +8° C		+2 to +8° C	
Calibration Frequency	90 days		90 days	
Compatible Anticoagulants	EDTA, Lithium Heparin		EDTA, Lithium Heparin	
Reagent Volume				
> DxC 700 AU	R1=90 µL, R2=90 µL¹		R1=75 µL, R2=75 µL¹	
> AU480/AU680	R1=120 µL, R2=120 µL¹		R1=75 µL R2=75 µL¹	
> AU5800	R1=90 µL, R2=90 µL¹		R1=55 µL, R2=55 µL¹	
Sample Type	Serum/Plasma		Serum/Plasma	
> DxC 700 AU	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A		Serum/Plasma: 3 µL Urine: N/A CSF: N/A	
> AU480/AU680	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A		Serum/Plasma: 3 µL Urine: N/A CSF: N/A	
> AU5800	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A		Serum/Plasma: 2.2 µL Urine: N/A CSF: N/A	
Analytical Measurement Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.2-480 mg/L Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.08-80 mg/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: <5 mg/L Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: <1 mg/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV or SD ≤1 mg/L, use the greater number Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV or SD ≤0.02 mg/L, use the greater number Urine: N/A CSF: N/A
Comment(s)	¹ Gently invert R2 5-10 times before placing on instrument and weekly thereafter. *Saline should be used for the Level 1 calibrator.		¹ Gently invert R2 5-10 times before placing on instrument and weekly thereafter. *Saline should be used for the Level 1 calibrator.	

	Ferritin			Haptoglobin
Abbreviation	FERR			HAPT
Kit: DxC 700 AU	OSR61203 (4 x 250 tests)			OSR6165 (4 x 135 tests)
Kit: AU480/AU680	OSR61203 (4 x 200 tests)			OSR6165 (4 x 135 tests)
Kit: AU5800	OSR61203 (4 x 250 tests)			OSR6165 (4 x 170 tests)
Calibrator Part Number	ODR3021			ODR3023
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)			ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)
Measurement Principle	Latex Particle Immunoturbidimetric			Immunoturbidimetric
Reaction Type	Fixed			End
Primary Wavelength	660 nm			600 nm
Measuring Points	12, 22			0, 27/0, 10
Liquid or Lyophilized	Liquid			Liquid
Onboard Stability	60 days			90 days
Onboard Stability (AU5800)	60 days			90 days
Storage Temperature	+2 to +8° C			+2 to +8° C
Calibration Frequency	30 days			90 days
Compatible Anticoagulants	EDTA, Lithium Heparin			EDTA, Heparin
Reagent Volume				
› DxC 700 AU	R1=90 µL, R2=45 µL¹			R1=132 µL, R2=36 µL
› AU480/AU680	R1=120 µL, R2=60 µL¹			R1=132 µL, R2=36 µL
› AU5800	R1 =90 µL, R2=45 µL¹			R1 =99 µL, R2=27 µL
Sample Type	Serum/Plasma			Serum/Plasma
› DxC 700 AU	Serum/Plasma: 4.5 µL Urine: N/A CSF: N/A			Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A
› AU480/AU680	Serum/Plasma: 6 µL Urine: N/A CSF: N/A			Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A
› AU5800	Serum/Plasma: 4.5 µL Urine: N/A CSF: N/A			Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A
		SI Units		SI Units
Analytical Measurement Range	Serum/Plasma: 8-450 ng/mL Urine: N/A CSF: N/A	Serum/Plasma: 8-450 µg/L Urine: N/A CSF: N/A	Serum/Plasma: 30-400 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.3-4.0 g/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Male: 20-250 ng/mL Female: 10-120 ng/mL Urine: N/A CSF: N/A	Serum/Plasma: Male: 20-250 µg/L Female: 10-120 µg/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 30-200 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: Adults: 0.3-2.0 g/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤7% CV or SD ≤3 ng/mL Urine: N/A CSF: N/A	Serum/Plasma: ≤7% CV or SD ≤3 µg/L Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A
Comment(s)	Gently invert R2 5-10 times before placing on instrument and weekly thereafter.			

	Immunoglobulin A	Immunoglobulin G		
Abbreviation	IgA	IgG		
Kit: DxC 700 AU	OSR61171 (4 x 250 tests)	OSR61172 (4 x 370 tests)		
Kit: AU480/AU680	OSR61171 (4 x 250 tests)	OSR61172 (4 x 250 tests)		
Kit: AU5800	OSR61171 (4 x 320 tests)	OSR61172 (4 x 370 tests)		
Calibrator Part Number	ODR3021	ODR3021		
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	Serum/Plasma: ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016) CSF: Control materials with values determined on the Beckman Coulter system		
Measurement Principle	Immunoturbidimetric	Immunoturbidimetric		
Reaction Type	End	End		
Primary Wavelength	600 nm	Serum/Plasma: 600 nm , CSF: 340 nm		
Measuring Points	0, 27/0, 10	0, 23/0, 10		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	90 days	90 days		
Onboard Stability (AU5800)	90 days	90 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	90 days	Serum/Plasma: 90 days , CSF: 2 days		
Compatible Anticoagulants	EDTA, Heparin	EDTA, Heparin		
Reagent Volume				
› DxC 700 AU	R1=56 µL, R2=44 µL	Serum/Plasma: R1=55 µL, R2=50 µL CSF: R1=88 µL, R2=54 µL		
› AU480/AU680	R1=56 µL, R2=44 µL	Serum/Plasma: R1=88 µL (AU480: R1=87 µL), R2=80 µL CSF: R1=110 µL, R2=68 µL		
› AU5800	R1=42 µL, R2=33 µL	Serum/Plasma: R1=55 µL, R2=50 µL CSF: R1=88 µL, R2=54 µL		
Sample Type	Serum/Plasma	Serum/Plasma/CSF		
› DxC 700 AU	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.0 µL (Pediatric: 1.0 µL) Urine: N/A CSF: 8 µL		
› AU480/AU680	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: 10 µL		
› AU5800	Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.0 µL (Pediatric: 1.0 µL) Urine: N/A CSF: 8 µL		
	SI Units	SI Units		
Analytical Measurement Range	Serum/Plasma: 10-700 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.1-7.0 g/L Urine: N/A CSF: N/A	Serum/Plasma: 75-3000 mg/dL Urine: N/A CSF: 2-50 mg/dL	Serum/Plasma: 0.75-30 g/L Urine: N/A CSF: 0.02-0.50 g/L
Reference Interval	Serum/Plasma: 70-400 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: Adults: 0.7-4.0 g/L Urine: N/A CSF: N/A	Serum/Plasma: 700-1600 mg/dL Urine: N/A CSF: 15-20 years: 3.5 mg/dL ± 2.0 mg/dL 21-40 years: 4.2 mg/dL ± 1.4 mg/dL 41-60 years: 4.7 mg/dL ± 1.0 mg/dL	Serum/Plasma: 7-16 g/L Urine: N/A CSF: 15-20 years: 0.035 g/L ± 0.02 g/L 21-40 years: 0.042 g/L ± 0.014 g/L 41-60 years: 0.047 g/L ± 0.01 g/L
Precision Specification	Serum/Plasma: ≤8% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤8% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤6% CV Urine: N/A CSF: ≤7.5% CV or SD ≤0.5 mg/dL	Serum/Plasma: ≤6% CV Urine: N/A CSF: ≤7.5% CV or SD ≤0.005 g/L
Comment(s)				

	Immunoglobulin M	Myoglobin	
Abbreviation	IgM	MYO	
Kit: DxC 700 AU	OSR61173 (4 x 250 tests)	OSR6168 (4 x 165 tests)	
Kit: AU480/AU680	OSR61173 (4 x 250 tests)	OSR6168 (4 x 165 tests)	
Kit: AU5800	OSR61173 (4 x 320 tests)	OSR6168 (4 x 183 tests)	
Calibrator Part Number	ODR3021	ODR3025	
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	Control materials with values determined on the Beckman Coulter system	
Measurement Principle	Immunoturbidimetric	Latex particle immunoturbidimetric	
Reaction Type	End	Fixed	
Primary Wavelength	340 nm	570 nm	
Measuring Points	0, 27/0, 10	12, 27	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	90 days	90 days	
Onboard Stability (AU5800)	90 days	90 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	90 days	User-defined	
Compatible Anticoagulants	EDTA, Heparin	N/A	
Reagent Volume			
> DxC 700 AU	R1=56 µL, R2=44 µL	R1=76 µL, R2=57 µL¹	
> AU480/AU680	R1=56 µL, R2=44 µL	R1=76 µL, R2=57 µL¹	
> AU5800	R1=42 µL, R2=33 µL	R1=60 µL, R2=45 µL¹	
Sample Type	Serum/Plasma	Serum	
> DxC 700 AU	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum: 7 µL Urine: N/A CSF: N/A	
> AU480/AU680	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum: 7 µL Urine: N/A CSF: N/A	
> AU5800	Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: N/A CSF: N/A	Serum: 5.5 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 20-500 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.2-5.0 g/L Urine: N/A CSF: N/A	Serum: 30-800 µg/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Adults: 40-230 mg/dL Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 0.4-2.3 g/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum: N/A Male: 19-92 µg/L Female: 12-76 µg/L Urine: N/A CSF: N/A
Precision Specification		Serum: N/A Urine: N/A CSF: N/A	Serum: 30-100 µg/L: ≤25% 101-349 µg/L: ≤10% 350-800 µg/L: ≤5% Urine: N/A CSF: N/A
Comment(s)		¹ Gently invert R2 5-10 times before placing on instrument and weekly thereafter.	

	Prealbumin		Rheumatoid Factor	
Abbreviation	PALB		RF	
Kit: DxC 700 AU	OSR6175 (4 x 120 tests)		OSR61105 (4 x 240 tests)	
Kit: AU480/AU680	OSR6175 (4 x 120 tests)		OSR61105 (4 x 250 tests)	
Kit: AU5800	OSR6175 (4 x 170 tests)		OSR61105 (4 x 240 tests)	
Calibrator Part Number	ODR3029		ODC0028	
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)		ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	
Measurement Principle	Immunoturbidimetric		Latex Particle Immunoturbidimetric	
Reaction Type	End		Fixed	
Primary Wavelength	340 nm		660 nm	
Measuring Points	0, 27/0, 10		12, 19	
Liquid or Lyophilized	Liquid		Liquid	
Onboard Stability	90 days		90 days	
Onboard Stability (AU5800)	90 days		90 days	
Storage Temperature	+2 to +8° C		+2 to +8° C	
Calibration Frequency	90 days		30 days	
Compatible Anticoagulants	N/A		Citric Acid Plasma, Lithium Heparin, Sodium Heparin, Sodium/Potassium, EDTA	
Reagent Volume				
› DxC 700 AU	R1=120 µL, R2=52 µL		R1=96 µL, R2=32 µL¹	
› AU480/AU680	R1=120 µL, R2=52 µL		R1=96 µL, R2=32 µL¹	
› AU5800	R1=90 µL, R2=39 µL		R1=96 µL, R2=32 µL¹	
Sample Type	Serum		Serum/Plasma	
› DxC 700 AU	Serum: 2.4 µL Urine: N/A CSF: N/A		Serum/Plasma: 2.6 µL Urine: N/A CSF: N/A	
› AU480/AU680	Serum: 2.4 µL Urine: N/A CSF: N/A		Serum/Plasma: 2.6 µL Urine: N/A CSF: N/A	
› AU5800	Serum: 1.8 µL Urine: N/A CSF: N/A		Serum/Plasma: 2.6 µL Urine: N/A CSF: N/A	
		SI Units		SI Units
Analytical Measurement Range	Serum: 3–80 mg/dL Urine: N/A CSF: N/A	Serum: 0.03–0.8 g/L Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: 10–120 IU/L Urine: N/A CSF: N/A
Reference Interval	Serum: 20–40 mg/dL Urine: N/A CSF: N/A	Serum: 0.2–0.4 g/L Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: ≤14 IU/mL Urine: N/A CSF: N/A
Precision Specification	Serum: ≤5% CV Urine: N/A CSF: N/A	Serum: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A
Comment(s)	¹ Gently invert R2 5-10 times before placing on instrument and weekly thereafter.			

Transferrin		Urine/CSF Albumin	
Abbreviation	TRF	UALB	
Kit: DxC 700 AU	OSR6152 (4 x 330 tests)	B38858 (4 x 366 tests) B46435 (4 x 240 tests)	
Kit: AU480/AU680	OSR6152 (4 x 270 tests)	B38858 (4 x 129 tests) B46435 (4 x 240 tests)	
Kit: AU5800	OSR6152 (4 x 330 tests)	B38858 (4 x 203 tests) B46435 (4 x 366 tests)	
Calibrator Part Number	ODR3021	B38859	
Control Name (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	No recommendation	
Measurement Principle	Immunoturbidimetric	Immunoturbidimetric	
Reaction Type	End	End	
Primary Wavelength	380 nm	380	
Measuring Points	0, 27/0, 10	0.27/0.10	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	90 days	60 days	
Onboard Stability (AU5800)	90 days	60 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	90 days	60 days	
Compatible Anticoagulants	EDTA, Heparin	N/A	
Reagent Volume			
> DxC 700 AU	R1=21 µL, R2=24 µL	R1=138 µL, R2=16 µL	
> AU480/AU680	R1=28 µL, R2=32 µL	R1=215 µL, R2=25 µL	
> AU5800	R1=21 µL, R2=24 µL	R1=138 µL, R2=16 µL	
Sample Type	Serum/Plasma	Urine/CSF	
> DxC 700 AU	Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: N/A CSF: N/A	4 µL	
> AU480/AU680	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	6 µL	
> AU5800	Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: N/A CSF: N/A	4 µL	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 75-750 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.75-7.50 g/L Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 7-450 mg/L (0.7-45 mg/dL) CSF: 10-450 mg/L (1-45 mg/dL) Other: N/A
Reference Interval	Serum/Plasma: Adults: 200-360 mg/dL Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: 2.0-3.6 g/L Urine: N/A CSF: N/A For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: N/A Urine: Normal: <30 mg/24 hr , Moderately increased: 30-299 mg/24 hr , Clinical albuminuria ≥300 CSF: 3 mo-4y: 0-450 mg/L (0-45 mg/dL) , >4y: 100-300 mg/L (10-30 mg/dL) ¹ Other: N/A
Precision Specification	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤5% CV Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: ≤10% CV or SD ≤2 mg/L (0.2 mg/dL) CSF: ≤10% CV or SD ≤2 mg/L (0.2 mg/dL) Other: N/A
Comment(s)	¹ America Diabetes Association, Diabetic Nephropathy, Diabetes Care, 2002, 25: (Suppl. 1): S85-S89.		

	Cholinesterase	Creatine Kinase MB	
Abbreviation	CHE	CK-MB	
Kit: DxC 700 AU	OSR6114 (4 x 180 tests)	OSR61155 (2 x 230 tests)	
Kit: AU480/AU680	OSR6114 (4 x 180 tests)	OSR61155 (2 x 230 tests)	
Kit: AU5800	OSR6114 (4 x 300 tests)	OSR61155 (2 x 230 tests)	
Calibrator Part Number	66300	ODR30034	
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	CK-MB Control Levels 1 & 2 (ODR30035, ODR30036)	
Measurement Principle	GSCC 1994 Butyrylthiocholine	CK IFCC Method Plus Immunoinhibition	
Reaction Type	Rate	Rate	
Primary Wavelength	410 nm	340 nm	
Measuring Points	16, 20	21, 27	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	30 days	30 days	
Onboard Stability (AU5800)	30 days	30 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	Run in MB mode	Run in MB mode	
Compatible Anticoagulants	Heparin	Heparin	
Reagent Volume			
> DxC 700 AU	R1*=150 µL, R2=30 µL	R1=100 µL, R2=25 µL	
> AU480/AU680	R1*=150 µL, R2=30 µL	R1=100 µL, R2=25 µL	
> AU5800	R1*=90 µL, R2=18 µL	R1=100 µL, R2=25 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
> DxC 700 AU	Serum/Plasma: 3 µL Urine: N/A CSF: N/A	Serum/Plasma: 5 µL Urine: N/A CSF: N/A	
> AU480/AU680	Serum/Plasma: 3 µL Urine: N/A CSF: N/A	Serum/Plasma: 5 µL Urine: N/A CSF: N/A	
> AU5800	Serum/Plasma: 1.8 µL Urine: N/A CSF: N/A	Serum/Plasma: 5 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: 1-15 kU/L Urine: N/A CSF: N/A	Serum/Plasma: 17-250 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 10-2000 U/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Male: 4.62-11.5 kU/L Female: 3.93-10.8 kU/L Urine: N/A CSF: N/A	Serum/Plasma: Male: 77-192 µkat/L Female: 65-180 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: Adults: <24 U/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤6.5% CV Urine: N/A CSF: N/A
Comment(s)	*Protect R1 from light.		

Cystatin C		D-dimer	
Abbreviation	CYS	DDIM	
Kit: DxC 700 AU	B08179 (1 x 300 tests)	OSR60135 (2 x 120 tests)	
Kit: AU480/AU680	B08179 (1 x 300 tests)	OSR60135 (2 x 100 tests)	
Kit: AU5800	B08179 (1 x 300 tests)	OSR60135 (2 x 120 tests)	
Calibrator Part Number	A52763	ODR3033	
Control Name (Part Number)	A52765	D-dimer Control Levels 1 & 2 (ODC0029)	
Measurement Principle	Immunoturbidimetric	Immunoturbidimetric	
Reaction Type	End	Fixed	
Primary Wavelength	540	800 nm	
Measuring Points	13, 27	13, 27	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	60 days	30 days	
Onboard Stability (AU5800)	60 days	30 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	28 days	30 days	
Compatible Anticoagulants	EDTA, Heparinized Plasma	Citrated Plasma, Lithium Heparin²	
Reagent Volume			
› DxC 700 AU	R1=150 µL, R2=30 µL	R1=100 µL, R2=100 µL¹	
› AU480/AU680	R1=150 µL, R2=30 µL	R1=125 µL, R2=125 µL¹	
› AU5800	R1=150 µL, R2=30 µL	R1=100 µL, R2=100 µL¹	
Sample Type	Serum/Plasma	Citrated Plasma	
› DxC 700 AU	2 µL	Plasma: 5.6 µL Urine: N/A CSF: N/A	
› AU480/AU680	2 µL	Plasma: 7 µL Urine: N/A CSF: N/A	
› AU5800	2 µL	Plasma: 5.6 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: *Lot-specific Urine: N/A CSF: N/A		Plasma: N/A Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: 0.4-8.0 mg/L Urine: N/A CSF: N/A		Plasma: <0.5 µg FEU/mL Urine: N/A CSF: N/A
Precision Specification			Plasma: <10% CV Urine: N/A CSF: N/A
Comment(s)	*Lot-specific, see analytical value sheet included with calibrator kit.	¹ Mix R2 gently before use and on a weekly basis thereafter. ² D-Dimer values in Heparin Plasma are on average 16% higher over the entire measuring range.	

	Hemoglobin A1c	Homocysteine	
Abbreviation	HbA1c	HCY	
Kit: DxC 700 AU	B00389 (2 x 250 tests)	B08716 (2 x 100 tests)	
Kit: AU480/AU680	B00389 (2 x 250 tests)	B08716 (2 x 100 tests)	
Kit: AU5800	B00389 (2 x 215 tests)	B08716 (2 x 100 tests)	
Calibrator Part Number	Included in kit*	Included in kit	
Control Name (Part Number)	extendSURE™ Haemoglobin A1c Liquid Controls Ref B12396 and B12397	B08177	
Measurement Principle	Turbidimetric immunoinhibition	Immunoturbidimetric	
Reaction Type	End	Rate¹	
Primary Wavelength	THb: 570 nm ; HbA1c: 340 nm	340	
Measuring Points	THb: 0, 10 ; HbA1c: 10, 27	15, 27	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	30 days	30 days	
Onboard Stability (AU5800)	30 days	30 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	14 days	30 days	
Compatible Anticoagulants	K2/K3 EDTA, Li-heparin or Na-heparin whole blood	EDTA or lithium heparin	
Reagent Volume			
> DxC 700 AU	THB R1: 138 µl ; HbA1c R1: 150 µl ; HbA1c R2: 30 µl	R1=155 µl, R2=15 µl	
> AU480/AU680	THB R1: 138 µl ; HbA1c R1: 150 µl ; HbA1c R2: 30 µl	R1=155 µl, R2=15 µl	
> AU5800	THB R1: 138 µl ; HbA1c R1: 150 µl ; HbA1c R2: 30 µl	R1=115 µl, R2=12 µl	
Sample Type	Pre-treated whole blood	Serum/Plasma	
> DxC 700 AU	THB: 12 µl ; HbA1c: 6 µl	10 µl	
> AU480/AU680	THB: 12 µl ; HbA1c: 6 µl	10 µl	
> AU5800	THB: 12 µl ; HbA1c: 6 µl	7.5 µl	
	SI Units	SI Units	
Analytical Measurement Range	Serum/Plasma: N/A Urine: N/A Other: THb: 3.7-13.0 mmol/L ; HbA1c: 0.19 mmol/L to the concentration of Cal 5 ; %HbA1c: 4.0%-15.0% at THb -9.6 mmol/L	Serum/Plasma: N/A Urine: N/A CSF: N/A Other: THb: 6-21g/dL ; HbA1c: 0.3g/dL to the concentration of Cal 5 ; %HbA1c: 4.0%-15.0% at THb -15.5g/dL ; % HbA1c The reportable range for the calculated HbA1c is 20-140 mmol/mol HbA1c (IFCC) and 4-15% HbA1c (NGSP), based on a typical Calibrator 6 value of 1.36 mmol/L (2.19g/dL), at a total hemoglobin of 9.6 mmol/L (15.5 g/dL)	Serum/Plasma: 2-44 µmol/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A Other: 4.0-6.0 (NGSP) 20-42 mmol/mol (IFCC units)	Serum/Plasma: 5-15 µmol/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: N/A Urine: N/A CSF: N/A Other: ≤4%	Serum/Plasma: N/A Urine: N/A CSF: N/A Other: ≤4%	Serum/Plasma: ≤10% CV Urine: N/A CSF: N/A
Comment(s)	*For THb, the Level 1 (zero) calibrator saline should be used. **For determination of %HbA1c (NGSP units), the THb and HbA1c tests are used.		

	Lactate	Pancreatic Amylase	
Abbreviation	LAC	PAMY	
Kit: DxC 700 AU	OSR6193 (4 x 75 tests)	A53704 (2 x 320 tests)	
Kit: AU480/AU680	OSR6193 (4 x 55 tests)	A53704 (2 x 320 tests)	
Kit: AU5800	OSR6193 (4 x 75 tests)	A53704 (2 x 320 tests)	
Calibrator Part Number	66300	16550	
Control Name (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	ODC0003/ODC0004	
Measurement Principle	Enzymatic	Enzymatic colorimetric method inhibition EPS	
Reaction Type	Fixed	Rate	
Primary Wavelength	540 nm	410	
Measuring Points	1, 15	16, 27	
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid	
Onboard Stability	30 days	30 days	
Onboard Stability (AU5800)			
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	30 days	14 days	
Compatible Anticoagulants	Sodium Fluoride, Potassium Oxalate	EDTA or Lithium Heparin	
Reagent Volume			
› DxC 700 AU	Plasma: R1=120 µL CSF: R1=120 µL	R1=100 µL, R2=25 µL	
› AU480/AU680	Plasma: R1=160 µL CSF: R1=160 µL	R1=100 µL, R2=25 µL	
› AU5800	Plasma: R1=120 µL CSF: R1=120 µL	R1=100 µL, R2=25 µL	
Sample Type	Plasma/CSF	Serum/Plasma	
› DxC 700 AU	Plasma: 1.2 µL Urine: N/A CSF: 1.2 µL	2 µL	
› AU480/AU680	Serum/Plasma: 1.6 µL Urine: N/A CSF: 1.6 µL	2 µL	
› AU5800	Serum/Plasma: 1.2 µL Urine: N/A CSF: 1.2 µL	2 µL	
	SI Units	SI Units	
Analytical Measurement Range	Serum/Plasma: 2-120 mg/dL Urine: N/A CSF: 2-120 mg/dL	Serum/Plasma: 0.22-13.32 mmol/L Urine: N/A CSF: 0.22-13.32 mmol/L	Serum/Plasma: 4.7-2000 U/L For DxC 700 AU: 0.7-2400 U/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: 4.5-19.8 mg/dL Urine: N/A CSF: Adult: 10-22 mg/dL ¹ For pediatric reference intervals, refer to IFU.	Serum/Plasma: 0.5-2.2 mmol/L Urine: N/A CSF: Adult: 1.1-2.4 mmol/L ¹ For pediatric reference intervals, refer to IFU.	Serum/Plasma: 8-53 U/L Urine: N/A CSF: N/A
Precision Specification	Serum/Plasma: ≤5% CV Urine: N/A CSF: ≤5% CV	Serum/Plasma: ≤5% CV Urine: N/A CSF: ≤5% CV	
Comment(s)	¹ For additional reference intervals, refer to product IFU. *Refer to IFU for reagent preparation.		



	Procalcitonin	Syphilis
Abbreviation	PCT	SYP
Kit: DxC 700 AU	DZ558A-K (1 x 370 tests)	A53709 (1 x 210 tests)
Kit: AU480/AU680	DZ558A-K (1 x 370 tests)	A53709 (1 x 210 tests)
Kit: AU5800	DZ558A-K (1 x 370 tests)	A53709 (1 x 210 tests)
Calibrator Part Number	DZ558A-CAL, 6 levels	A53710
Control Name (Part Number)	DZ558A-CON, 2 levels	A53711
Measurement Principle	Latex enhanced Immunoturbidimetric method	Immunoturbidimetric
Reaction Type	Fixed 1	End
Primary Wavelength	600	800
Measuring Points	12, 21 for DxC 700 AU: 14, 23	13, 27
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	50 days
Onboard Stability (AU5800)	28 days	50 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	50 days
Compatible Anticoagulants	EDTA or Lithium Heparinized Plasma	EDTA or lithium heparin
Reagent Volume		
> DxC 700 AU	R1=90 µl, R2=30 µl	R1=80 µL, R2=80 µL
> AU480/AU680	R1=90 µl, R2=30 µl	R1=80 µL, R2=80 µL
> AU5800	R1=90 µl, R2=30 µl	R1=75 µL, R2=75 µL
Sample Type	Serum/Plasma	Serum/Plasma
> DxC 700 AU	14 µl	18 µL
> AU480/AU680	14 µl	18 µL
> AU5800	14 µl	17 µL
	SI Units	SI Units
Analytical Measurement Range	0.2-52 ng/mL	Serum/Plasma: 4-80 U For DxC 700 AU: 4-90 U Urine: N/A CSF: N/A
Reference Interval	<0.5 ng/mL	Serum/Plasma: Positive syphilis results ≥10 U Urine: N/A CSF: N/A
Precision Specification	Not supplied	<10 U: CV% ≤±5.0% or SD ≤±0.5 U @ 10 U: CV% ≤±4.0% >10 U: CV% ≤±4.0%
Comment(s)	User-defined reagent	

	Acetaminophen	Amikacin		
Abbreviation	ACETA	AMIK		
Kit: DxC 700 AU	OSR7A229 (2 x 210 tests)	6X019 (1 x 400 tests)		
Kit: AU680	OSR7A229 (2 x 175 tests)	6X019 (1 x 275 tests)		
AU5800/AU480	OSR7A229 (2 x 210 tests)	6X019 (1 x 400 tests)		
Calibrator Part Number	7A409	Included		
Control Name (Part Number)	No specific recommendation	No specific recommendation		
Measurement Principle	Emit* tox	Emit* TDM		
Reaction Type	Rate	Rate		
Primary Wavelength	340 nm	340 nm		
Measuring Points	15, 23	12, 16		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	28 days	28 days		
Onboard Stability (AU5800)	28 days	28 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	User-defined	User-defined		
Compatible Anticoagulants	EDTA, Heparin, Citrate, Oxalate/Fluoride	EDTA, Citrate, Oxalate		
Reagent Volume				
> DxC 700 AU	R1=120 µL, R2=60 µL	R1=89 µL, R2=89 µL		
> AU680	R1=150 µL, R2=75 µL	R1=162 µL, R2=162 µL		
> AU5800/AU480	R1=120 µL, R2=60 µL	R1=89 µL, R2=89 µL		
Sample Type	Serum/Plasma	Serum		
> DxC 700 AU	Serum/Plasma: 2.4 µL	Serum/Plasma: 1.7 µL		
> AU680	Serum/Plasma: 3 µL	Serum/Plasma: 3 µL		
> AU5800/AU480	Serum/Plasma: 2.4 µL	Serum/Plasma: 1.7 µL		
	SI Units	SI Units		
Analytical Measurement Range	Serum/Plasma: 0.1-200 µg/mL AU680: 0.3-200 µg/mL	Serum/Plasma: 1-1324 µmol/L AU680: 2-1324 µmol/L	Serum/Plasma: 2.5-50 µg/mL	Serum/Plasma: 4.3-85.5 µmol/L
Reference Interval	Consult literature	Consult literature	Consult literature	Consult literature
Precision Specification	Serum/Plasma: typical CV ≤5%		Serum/Plasma: typical CV ≤5%	
Comment(s)	*Refer to IFU for reagent preparation.		User-defined reagent.	

	Caffeine	Carbamazepine	
Abbreviation	CAFF	CARB	
Kit: DxC 700 AU	6P419 (235 tests)	OSR4F229 (2 x 240 tests)	
Kit: AU680	6P419 (130 tests)	OSR4F229 (2 x 200 tests)	
AU5800/AU480	6P419 (235 tests)	OSR4F229 (2 x 240 tests)	
Calibrator Part Number	Calibrator included in reagent kit	4F109	
Control Name (Part Number)	No specific recommendation	No specific recommendation	
Measurement Principle	Emit* TDM	Emit* 2000	
Reaction Type	Rate	Rate	
Primary Wavelength	340 nm	340 nm	
Measuring Points	12, 16	19, 27	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	28 days	28 days	
Onboard Stability (AU5800)	28 days	28 days	
Storage Temperature	28 days	+2 to +8° C	
Calibration Frequency	User-defined	User-defined	
Compatible Anticoagulants	Heparin, Oxalate, Citrate, EDTA	Heparin, Oxalate, Citrate, EDTA	
Reagent Volume			
› DxC 700 AU	R1=89 µL, R2=89 µL	R1=80 µL, R2=40 µL	
› AU680	R1=162 µL, R2=162 µL	R1=100 µL, R2=50 µL	
› AU5800/AU480	R1=89 µL, R2=89 µL	R1=80 µL, R2=40 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
› DxC 700 AU	Serum/Plasma: 1.7 µL	Serum/Plasma: 1.6 µL	
› AU680	Serum/Plasma: 3 µL	Serum/Plasma: 2 µL	
› AU5800/AU480	Serum/Plasma: 1.7 µL	Serum/Plasma: 1.6 µL	
		SI Units	SI Units
Analytical Measurement Range	Serum/Plasma: DxC 700 AU 1.0-30.0 µg/mL. All others refer to IFU.	Serum/Plasma: 5-155 µmol/L	Serum/Plasma: 0.5-20.0 µg/mL*
Reference Interval	Consult literature	Consult literature	Serum/Plasma: 4-12 µg/mL
Precision Specification			Serum/Plasma: typical CV ≤6.5%
Comment(s)		*Enter the concentration of the highest calibrator for the high end dynamic range. Refer to IFU.	

	Digoxin QMS	Digoxin EMIT	
Abbreviation	DIG	DIG	
Kit: DxC 700 AU	OSR6404 (2 x 180 tests)	OSR4H229 (2 x 200 tests)	
Kit: AU680	OSR6404 (2 x 200 tests)	OSR4H229 (2 x 200 tests)	
AU5800/AU480	OSR6404 (2 x 180 tests)	OSR4H229 (in development)	
Calibrator Part Number	ODC6404	4H209	
Control Name (Part Number)	Control materials with values determined on the Beckman Coulter system	No specific recommendation	
Measurement Principle	Latex-enhanced Immunoinhibition assay	Emit* 2000	
Reaction Type	Fixed	Rate	
Primary Wavelength	700 nm	340 nm	
Measuring Points	15, 27	17, 27	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	30 days	28 days	
Onboard Stability (AU5800)	30 days	28 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	User-defined	User-defined	
Compatible Anticoagulants	N/A	Heparin, oxalate, EDTA	
Reagent Volume			
> DxC 700 AU	R1=88 µL, R2=64 µL	R1=130 µL, R2=50 µL	
> AU680	R1=88 µL, R2=64 µL	R1=130 µL, R2=50 µL	
> AU5800/AU480	R1=88 µL, R2=64 µL	In development	
Sample Type	Serum	Serum/Plasma	
> DxC 700 AU	Serum: 6 µL	Serum/Plasma: 17 µL	
> AU680	Serum: 6 µL	Serum/Plasma: 17 µL	
> AU5800/AU480	Serum: 6 µL	In development	
Analytical Measurement Range	Serum: 0-5 ng/mL	SI Units Serum: 0-6.4 nmol/L	SI Units Serum: 0.3-5.0 ng/mL 0.4-6.4 nmol/L
Reference Interval	Serum: Effective levels: 0.8-2.0 ng/mL Toxic levels: >2.4 ng/mL	Serum: Effective levels: 1.0-2.6 nmol/L Toxic levels: >3.1 nmol/L	Serum: 0.9-2.0 ng/mL Serum: 1.2-2.6 nmol/L
Precision Specification	Serum: ≤6% CV or SD ≤0.12 ng/mL		Serum: typical CV ≤10.4%
Comment(s)			

	Digitoxin	Gentamicin	
Abbreviation	DGT	GENT	
Kit: DxC 700 AU	OSR6403 (2 x 180 tests)	OSR4T229 (2 x 240 tests)	
Kit: AU680	OSR6403 (2 x 200 tests)	OSR4T229 (2 x 200 tests)	
AU5800/AU480	OSR6403 (2 x 180 tests)	OSR4T229 (2 x 240 tests)	
Calibrator Part Number	ODC6403	4T209	
Control Name (Part Number)	No specific recommendation	No specific recommendation	
Measurement Principle	Latex-enhanced Immunoinhibition assay	Emit* 2000	
Reaction Type	Fixed	Rate	
Primary Wavelength	700 nm	340 nm	
Measuring Points	12, 27	19, 27	
Liquid or Lyophilized	Liquid	Liquid	
Onboard Stability	30 days	28 days	
Onboard Stability (AU5800)	28 days	28 days	
Storage Temperature	+2 to +8° C	+2 to +8° C	
Calibration Frequency	User-defined	User-defined	
Compatible Anticoagulants	N/A	Heparin, Citrate, Oxalate, EDTA	
Reagent Volume			
> DxC 700 AU	R1=105 µL, R2=64 µL	R1=80 µL, R2=40 µL	
> AU680	R1=105 µL, R2=64 µL	R1=100 µL, R2=50 µL	
> AU5800/AU480	R1=105 µL, R2=64 µL	R1=80 µL, R2=40 µL	
Sample Type	Serum	Serum/Plasma	
> DxC 700 AU	Serum: 3 µL	Serum/Plasma: 1.6 µL	
> AU680	Serum: 3 µL	Serum/Plasma: 2 µL	
> AU5800/AU480	Serum: 3 µL	Serum/Plasma: 1.6 µL	
Analytical Measurement Range	Serum: 0-90 ng/mL DxC 700 AU A: 1.5-90 ng/mL	SI Units 0-118 nmol/L DxC 700 AU A: 2-118 nmol/L	SI Units Serum/Plasma: 0.3-10.0 µg/mL* Serum/Plasma: 0.6-20.9 µmol/L
Reference Interval	Serum: Effective levels: 10-30 ng/mL Toxic levels: >30 ng/mL	Serum: Effective levels: 13-39 nmol/L Toxic levels: >39 ng/mL	Serum/Plasma: Peak 4-8 µg/mL Serum/Plasma: Peak 8.6-17 µmol/L
Precision Specification	Serum: ≤6% or SD ≤1.5 ng/mL		Serum/Plasma: Typical CV ≤6.3%
Comment(s)		*Enter the concentration of the highest calibrator, for the high end dynamic range. Refer to IFU.	

	Methotrexate	Phenobarbital		
Abbreviation	MTRX	PBARB		
Kit: DxC 700 AU	6L119 (1 x 235 tests)	OSR4D229 (2 x 240 tests)		
Kit: AU680	6L119 (1 x 130 tests)	OSR4D229 (2 x 200 tests)		
AU5800/AU480	6L119 (1 x 235 tests)	OSR4D229 (2 x 240 tests)		
Calibrator Part Number	Included	4D109		
Control Name (Part Number)	No specific recommendation	No specific recommendation		
Measurement Principle	Emit* TDM	Emit* 2000		
Reaction Type	Rate	Rate		
Primary Wavelength	340 nm	340 nm		
Measuring Points	12, 16	15, 19		
Liquid or Lyophilized	Lyophilized	Liquid		
Onboard Stability	28 days	28 days		
Onboard Stability (AU5800)	28 days	28 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	User-defined	User-defined		
Compatible Anticoagulants	Heparin, EDTA, Oxalate	Heparin, Citrate, Oxalate, EDTA		
Reagent Volume				
> DxC 700 AU	R1=89 µL, R2=89 µL	R1=72 µL, R2=72 µL		
> AU680	R1=162 µL, R2=162 µL	R1=90 µL, R2=90 µL		
> AU5800/AU480	R1=89 µL, R2=89 µL	R1=72 µL, R2=72 µL		
Sample Type	Serum	Serum/Plasma		
> DxC 700 AU	Serum/Plasma: 1.7 µL	Serum/Plasma: 1.6 µL		
> AU680	Serum/Plasma: 3 µL	Serum/Plasma: 2 µL		
> AU5800/AU480	Serum/Plasma: 1.7µL	Serum/Plasma: 1.6 µL		
	SI Units	SI Units		
Analytical Measurement Range	Serum/Plasma: *Calibrator-dependent For DxC 700 AU: 0.3-2.0 µmol/L Refer to IFU for other systems.	Serum/Plasma: *Calibrator-dependent For DxC 700 AU: 0.3-2.0 µmol/L Refer to IFU for other systems.	Serum/Plasma: 0.6-80.0 µg/mL	Serum/Plasma: 2.6-344.8 µmol/L
Reference Interval	Serum/Plasma: Consult literature	Serum/Plasma: Consult literature	Serum/Plasma: 10-40 µg/mL	Serum/Plasma: 43-172 µmol/L
Precision Specification	Serum/Plasma: Typical CV ≤4.6%		Not provided	
Comment(s)	User-defined reagent.			

	Phenytoin		Salicylic Acid	
Abbreviation	PHENY		SALI	
Kit: DxC 700 AU	OSR4A229 (2 x 240 tests)		OSR7S229 (2 x 210 tests)	
Kit: AU680	OSR4A229 (2 x 200 tests)		OSR7S229 (2 x 175 tests)	
AU5800/AU480	OSR4A229 (2 x 240 tests)		OSR7S229 (2 x 210 tests)	
Calibrator Part Number	4A109		7S109	
Control Name (Part Number)	No specific recommendation		No specific recommendation	
Measurement Principle	Emit* 2000		Emit* tox	
Reaction Type	Rate		Rate	
Primary Wavelength	340 nm		340 nm	
Measuring Points	19, 27		15, 23	
Liquid or Lyophilized	Liquid		Liquid	
Onboard Stability	28 days		28 days	
Onboard Stability (AU5800)	28 days		28 days	
Storage Temperature	+2 to +8° C		+2 to +8° C	
Calibration Frequency	User-defined		User-defined	
Compatible Anticoagulants	Heparin, Citrate, Oxalate, EDTA		EDTA, Sodium Heparin, Citrate, Oxalate/Fluoride	
Reagent Volume				
> DxC 700 AU	R1=72 µL, R2=52 µL		R1=120 µL, R2=60 µL	
> AU680	R1=90 µL, R2=65 µL		R1=150 µL, R2=75 µL	
> AU5800/AU480	R1=72 µL, R2=52 µL		R1=120 µL, R2=60 µL	
Sample Type	Serum		Serum/Plasma	
> DxC 700 AU	Serum/Plasma: 1.6 µL		Serum/Plasma: 2.4 µL	
> AU680	Serum/Plasma: 2 µL		Serum/Plasma: 3 µL	
> AU5800/AU480	Serum/Plasma: 1.6 µL		Serum/Plasma: 2.4 µL	
		SI Units		SI Units
Analytical Measurement Range	Serum/Plasma: 0.5-40.0 µg/mL	Serum/Plasma: 2.0-158.4 µmo/L	Serum/Plasma: 1.5-80 mg/dL	Serum: 109-5792 µmol/L
Reference Interval	Serum/Plasma: 10-20 µg/mL	Serum/Plasma: 40-79 µmol/L	Serum/Plasma: <6 mg/dL	Serum/Plasma: <434 µmol/L
Precision Specification	Serum/Plasma: Typical CV ≤8.2%		Serum/Plasma: <8.5% CV	
Comment(s)				

	Theophylline			Tobramycin
Abbreviation	THEO			TOB
Kit: DxC 700 AU	OSR4P229 (2 x 240 tests)			OSR4S229 (2 x 200 tests)
Kit: AU680	OSR4P229 (2 x 200 tests)			OSR4S229 (2 x 160 tests)
AU5800/AU480	OSR4P229 (2 x 240 tests)			OSR4S229 (2 x 200 tests)
Calibrator Part Number	4P109			4S109
Control Name (Part Number)	No specific recommendation			No specific recommendation
Measurement Principle	Emit* 2000			Emit* 2000
Reaction Type	Rate			Rate
Primary Wavelength	340 nm			340 nm
Measuring Points	15, 19			17, 25
Liquid or Lyophilized	Liquid			Liquid
Onboard Stability	28 days			28 days
Onboard Stability (AU5800)	28 days			28 days
Storage Temperature	+2 to +8° C			+2 to +8° C
Calibration Frequency	User-defined			User-defined
Compatible Anticoagulants	Heparin, Citrate, Oxalate, EDTA			Sodium Heparin, Citrate, Oxalate/Fluoride, EDTA
Reagent Volume				
> DxC 700 AU	R1=80 µL, R2=40 µL			R1=139 µL, R2=70 µL
> AU680	R1=100 µL, R2=50 µL			R1=174 µL, R2=87 µL
> AU5800/AU480	R1=80 µL, R2=40 µL			R1=139 µL, R2=70 µL
Sample Type	Serum			Serum/Plasma
> DxC 700 AU	Serum/Plasma: 2.4 µL			Serum/Plasma: 2.8 µL
> AU680	Serum/Plasma: 3 µL			Serum/Plasma: 3.5 µL
> AU5800/AU480	Serum/Plasma: 2.4 µL			Serum/Plasma: 2.8 µL
		SI Units		SI Units
Analytical Measurement Range	Serum/Plasma: 0.8–40.0 µg/mL	Serum/Plasma: 4.4–222 µmol/L	Serum/Plasma: 0.5–10.0 µg/mL	Serum/Plasma: 1.1–21.4 µmol/L
Reference Interval	Serum/Plasma: 10–20 µg/mL	Serum/Plasma: 56–111 µmol/L	Serum/Plasma: Peak 4–8 µg/mL	Serum/Plasma: Peak 8.6–17.1 µmol/L
Precision Specification	Serum/Plasma: Typical CV ≤11.3%		Serum/Plasma: Typical CV ≤6.8%	
Comment(s)				

	Valproic Acid	Vancomycin		
Abbreviation	VPA	VANC		
Kit: DxC 700 AU	OSR4G229 (2 x 200 tests)	OSR4W229 (2 x 200 tests)		
Kit: AU680	OSR4G229 (2 x 165 tests)	OSR4W229 (2 x 165 tests)		
AU5800/AU480	OSR4G229 (2 x 200 tests)	OSR4W229 (2 x 200 tests)		
Calibrator Part Number	4G109	4W109		
Control Name (Part Number)	No specific recommendation	No specific recommendation		
Measurement Principle	Emit* 2000	Emit* 2000		
Reaction Type	Rate	Rate		
Primary Wavelength	340 nm	340 nm		
Measuring Points	12, 17	15, 21		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	28 days	28 days		
Onboard Stability (AU5800)	28 days	28 days		
Storage Temperature	+2 to +8° C	+2 to +8° C		
Calibration Frequency	User-defined	User-defined		
Compatible Anticoagulants	EDTA, Heparin, Citrate, Oxalate/Fluoride	EDTA, Sodium Heparin, Lithium Heparin, Citrate, Oxalate/Fluoride		
Reagent Volume				
> DxC 700 AU	R1=139 µL, R2=70 µL	R1=120 µL, R2=64 µL		
> AU680	R1=174 µL, R2=87 µL	R1=150 µL, R2=80 µL		
> AU5800/AU480	R1=139 µL, R2=70 µL	R1=120 µL, R2=64 µL		
Sample Type	Serum/Plasma	Serum		
> DxC 700 AU	Serum/Plasma: 2.8 µL	Serum/Plasma: 2.4 µL		
> AU680	Serum/Plasma: 3.5 µL	Serum/Plasma: 3 µL		
> AU5800/AU480	Serum/Plasma: 2.8 µL	Serum/Plasma: 2.4 µL		
	SI Units	SI Units		
Analytical Measurement Range	Serum/Plasma: 4.0-150.0 µg/mL	Serum/Plasma: 28-1040 µmol/L	Serum/Plasma: 2.0-50.0 µg/mL	Serum/Plasma: 1.3-34 µmol/L
Reference Interval	Serum/Plasma: 50-100 µg/mL	Serum/Plasma: 347-693 µmol/L	Serum/Plasma: Consult literature	Serum/Plasma: Consult literature
Precision Specification	Serum/Plasma: Typical CV ≤4.3%		Serum/Plasma: Typical CV ≤3.8%	
Comment(s)				

	Amphetamine (300 Cutoff)	Amphetamine (500 Cutoff)
Abbreviation	AMP+	AMP+
Kit: DxC 700 AU	OSR9C229 (2 x 275 tests)	OSR9C229 (2 x 275 tests)
Kit: AU680	OSR9C229 (2 x 200 tests)	OSR9C229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9C229 (2 x 275 tests)	OSR9C229 (2 x 275 tests)
Calibrator Part Number	9A529	9A549
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	13, 15	13, 15
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 Days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
> DxC 700 AU	R1=105 µL, R2=46 µL	R1=105 µL, R2=46 µL
> AU680	R1=150 µL, R2=65 µL	R1=150 µL, R2=65 µL
> AU5800/AU480	R1=105 µL, R2=46 µL	R1=105 µL, R2=46 µL
Sample Type	Urine	Urine
> DxC 700 AU	Urine: 3.5 µL	Urine: 2.1 µL
> AU680	Urine: 5 µL	Urine: 3 µL
> AU5800/AU480	Urine: 3.5 µL	Urine: 2.1 µL
Cutoff Level	300 ng/mL	500 ng/mL
Analytical Measurement Range	User-defined	User-defined
Comment(s)		

	Amphetamine (1000 Cutoff)	Amphetamine (300 SQ)
Abbreviation	AMP+	AMP+
Kit: DxC 700 AU	OSR9C229 (2 x 230 tests)	OSR9C229 (2 x 275 tests)
Kit: AU680	OSR9C229 (2 x 190 tests)	OSR9C229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9C229 (2 x 230 tests)	OSR9C229 (2 x 275 tests)
Calibrator Part Number	9A569	9A529, 9A549, 9A569
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	13, 15	13, 15
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 Days	28 Days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=126 µL, R2=54 µL	R1=105 µL, R2=46 µL
› AU680	R1=158 µL, R2=68 µL	R1=150 µL, R2=65 µL
› AU5800/AU480	R1=126 µL, R2=54 µL	R1=105 µL, R2=46 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 1.6 µL	Urine: 3.5 µL
› AU680	Urine: 2 µL	Urine: 5 µL
› AU5800/AU480	Urine: 1.6 µL	Urine: 3.5 µL
Cutoff Level	1000 ng/mL	300 ng/mL
Analytical Measurement Range	User-defined	45-1000 ng/mL
Comment(s)		

DRUGS OF ABUSE TESTING (DAT)

	Amphetamine (500 SQ)	Amphetamine (1000 SQ)
Abbreviation	AMP+	AMP+
Kit: DxC 700 AU	OSR9C229 (2 x 275 tests)	OSR9C229 (2 x 230 tests)
Kit: AU680	OSR9C229 (2 x 200 tests)	OSR9C229 (2 x 190 tests)
Kit: AU5800/AU480	OSR9C229 (2 x 275 tests)	OSR9C229 (2 x 230 tests)
Calibrator Part Number	9A529, 9A549, 9A569	9A529, 9A549, 9A569, 9A609
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	13, 15	13, 15
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 Days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	Reagent blank daily	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=105 µL, R2=46 µL	R1=126 µL, R2=54 µL
› AU680	R1=150 µL, R2=65 µL	R1=158 µL, R2=68 µL
› AU5800/AU480	R1=105 µL, R2=46 µL	R1=126 µL, R2=54 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 2.1 µL	Urine: 1.6 µL
› AU680	Urine: 3 µL	Urine: 2 µL
› AU5800/AU480	Urine: 2.1 µL	Urine: 1.6 µL
Cutoff Level	N/A	N/A
Analytical Measurement Range	70–1000 ng/mL	90–2000 ng/mL
Comment(s)		

	Barbiturate (200 Cutoff)	Barbiturate (300 Cutoff)
Abbreviation	BARB+	BARB+
Kit: DxC 700 AU	OSR9D229 (2 x 275 tests)	OSR9D229 (2 x 275 tests)
Kit: AU680	OSR9D229 (2 x 200 tests)	OSR9D229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9D229 (2 x 275 tests)	OSR9D229 (2 x 275 tests)
Calibrator Part Number	9A569	9A589
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 19	15, 19
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
> DxC 700 AU	R1=98 µL, R2=42 µL	R1=98 µL, R2=42 µL
> AU680	R1=140 µL, R2=60 µL	R1=140 µL, R2=60 µL
> AU5800/AU480	R1=98 µL, R2=42 µL	R1=98 µL, R2=42 µL
Sample Type	Urine	Urine
> DxC 700 AU	Urine: 4.2 µL	Urine: 4.2 µL
> AU680	Urine: 6.0 µL	Urine: 6.0 µL
> AU5800/AU480	Urine: 4.2 µL	Urine: 4.2 µL
Cutoff Level	200 ng/mL	N/A
Analytical Measurement Range	User-defined	User-defined
Comment(s)		

	Barbiturate (SQ)	Barbiturate Tox
Abbreviation	BARB+	TBARB
Kit: DxC 700 AU	OSR9D229 (2 x 275 tests)	7D119 (280 tests)
Kit: AU680	OSR9D229 (2 x 200 tests)	7D119 (225 tests)
Kit: AU5800/AU480	OSR9D229 (2 x 275 tests)	7D119 (280 tests)
Calibrator Part Number	9A549, 9A569, 9A589, 9A609	7B019
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* Tox
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 19	12, 16
Liquid or Lyophilized	Liquid	Lyophilized
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	Reagent blank daily	User-defined
Compatible Anticoagulants	N/A	Heparin, oxalate, EDTA
Reagent Volume		
> DxC 700 AU	R1=98 µL, R2=42 µL	R1=80 µL, R2=80 µL
> AU680	R1=140 µL, R2=60 µL	R1=100 µL, R2=100µL
> AU5800/AU480	R1=98 µL, R2=42 µL	R1=80 µL, R2=80 µL
Sample Type	Urine	Urine
> DxC 700 AU	Urine: 4.2 µL	Serum: 3.0 µL
> AU680	Urine: 6.0 µL	Serum: 2.4 µL
> AU5800/AU480	Urine: 4.2 µL	Serum: 3.0 µL
Cutoff Level	N/A	N/A
Analytical Measurement Range	18-800 ng/mL	User-defined
Comment(s)		User-defined reagent.

	Benzodiazepine (200 Cutoff)	Benzodiazepine (300 Cutoff)
Abbreviation	BENZ+	BENZ+
Kit: DxC 700 AU	OSR9F229 (2 x 275 tests)	OSR9F229 (2 x 275 tests)
Kit: AU680	OSR9F229 (2 x 200 tests)	OSR9F229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9F229 (2 x 275 tests)	OSR9F229 (2 x 275 tests)
Calibrator Part Number	9A569	9A589
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 19	15, 19
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
> DxC 700 AU	R1=98 µL, R2=42 µL	R1=98 µL, R2=42 µL
> AU680	R1=140 µL, R2=60 µL	R1=140 µL, R2=60 µL
> AU5800/AU480	R1=98 µL, R2=42 µL	R1=98 µL, R2=42 µL
Sample Type	Urine	Urine
> DxC 700 AU	Urine: 4.2 µL	Urine: 4.2 µL
> AU680	Urine: 6.0 µL	Urine: 6.0 µL
> AU5800/AU480	Urine: 4.2 µL	Urine: 4.2 µL
Cutoff Level	200 ng/mL	300 ng/mL
Analytical Measurement Range	User-defined	User-defined
Comment(s)		

	Benzodiazepine (SQ)	Benzodiazepine Tox
Abbreviation	BENZ+	TBENZ
Kit: DxC 700 AU	OSR9F229 (2 x 275 tests)	7B119 (360 tests)
Kit: AU680	OSR9F229 (2 x 200 tests)	7B119 (295 tests)
Kit: AU5800/AU480	OSR9F229 (2 x 275 tests)	7B119 (360 tests)
Calibrator Part Number	9A549, 9A569, 9A589, 9A609	7B019
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* Tox
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 19	13, 15
Liquid or Lyophilized	Liquid	Lyophilized
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	Reagent blank daily	Reagent blank daily
Compatible Anticoagulants	N/A	Heparin, Oxalate, EDTA
Reagent Volume		
› DxC 700 AU	R1=98 µL, R2=42 µL	R1=60 µL, R2=60 µL
› AU680	R1=140 µL, R2=60 µL	R1=75 µL, R2=75 µL
› AU5800/AU480	R1=98 µL, R2=42 µL	R1=60 µL, R2=60 µL
Sample Type	Urine	Serum/Plasma
› DxC 700 AU	Urine: 4.2 µL	Serum: 2 µL
› AU680	Urine: 6.0 µL	Serum: 2.5 µL
› AU5800/AU480	Urine: 4.2 µL	Serum: 2 µL
Cutoff Level	N/A	N/A
Analytical Measurement Range	23-1000 ng/mL	User-defined
Comment(s)		User-defined reagent.

	Cannabinoid 20 Cutoff	Cannabinoid 50 Cutoff
Abbreviation	THC20+	THC50+
Kit: DxC 700 AU	OSR9N229 (2 x 200 tests)	OSR9N229 (2 x 260 tests)
Kit: AU680	OSR9N229 (2 x 200 tests)	OSR9N229 (2 x 260 tests)
Kit: AU5800/AU480	OSR9N229 (2 x 200 tests)	OSR9N229 (2 x 260 tests)
Calibrator Part Number	9A549	9A569
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 20	15, 17
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=140 µL, R2=60 µL	R1=105 µL, R2=45 µL
› AU680	R1=140 µL, R2=60 µL	R1=105 µL, R2=45 µL
› AU5800/AU480	R1=140 µL, R2=60 µL	R1=105 µL, R2=45 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 10 µL	Urine: 4.5 µL
› AU680	Urine: 10 µL	Urine: 4.5 µL
› AU5800/AU480	Urine: 10 µL	Urine: 4.5 µL
Cutoff Level	20 ng/mL	50 ng/mL
Analytical Measurement Range	User-defined	User-defined
Comment(s)		

	Cannabinoid 100 Cutoff	Cannabinoid 50 SQ
Abbreviation	THC100+	THC50+
Kit: DxC 700 AU	OSR9N229 (2 x 185 tests)	OSR9N229 (2 x 260 tests)
Kit: AU680	OSR9N229 (2 x 185 tests)	OSR9N229 (2 x 260 tests)
Kit: AU5800/AU480	OSR9N229 (2 x 185 tests)	OSR9N229 (2 x 260 tests)
Calibrator Part Number	9A589	9A549, 9A569, 9A589
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 17	15, 17
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
> DxC 700 AU	R1=150 µL, R2=64 µL	R1=105 µL, R2=45 µL
> AU680	R1=150 µL, R2=64 µL	R1=105 µL, R2=45 µL
> AU5800/AU480	R1=150 µL, R2=64 µL	R1=105 µL, R2=45 µL
Sample Type	Urine	Urine
> DxC 700 AU	Urine: 3.0 µL	Urine: 4.5 µL
> AU680	Urine: 3.0 µL	Urine: 4.5 µL
> AU5800/AU480	Urine: 3.0 µL	Urine: 4.5 µL
Cutoff Level	100 ng/mL	N/A
Analytical Measurement Range	User-defined	8-100 ng/mL
Comment(s)		

	Cannabinoid 100 SQ	Cocaine Metabolite 150 Cutoff
Abbreviation	THC100+	COCA+
Kit: DxC 700 AU	OSR9N229 (2 x 185 tests)	OSR9H229 (2 x 275 tests)
Kit: AU680	OSR9N229 (2 x 185 tests)	OSR9H229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9N229 (2 x 185 tests)	OSR9H229 (2 x 275 tests)
Calibrator Part Number	9A549, 9A569, 9A589, 9A609	9A549
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 17	15, 19
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=150 µL, R2=64 µL	R1=91 µL, R2=39 µL
› AU680	R1=150 µL, R2=64 µL	R1=130 µL, R2=55 µL
› AU5800/AU480	R1=150 µL, R2=64 µL	R1=91 µL, R2=39 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 3.0 µL	Urine: 6.3 µL
› AU680	Urine: 3.0 µL	Urine: 9 µL
› AU5800/AU480	Urine: 3.0 µL	Urine: 6.3 µL
Cutoff Level	N/A	150 ng/mL
Analytical Measurement Range	28–200 ng/mL	User-defined
Comment(s)		

	Cocaine Metabolite 300 Cutoff	Cocaine SQ
Abbreviation	COCA+	COCA+
Kit: DxC 700 AU	OSR9H229 (2 x 275 tests)	OSR9H229 (2 x 275 tests)
Kit: AU680	OSR9H229 (2 x 200 tests)	OSR9H229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9H229 (2 x 275 tests)	OSR9H229 (2 x 275 tests)
Calibrator Part Number	9A569	9A549, 9A569, 9A589, 9A609
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 19	15, 19
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=91 µL, R2=39 µL	R1=91 µL, R2=39 µL
› AU680	R1=130 µL, R2=55 µL	R1=130 µL, R2=55 µL
› AU5800/AU480	R1=91 µL, R2=39 µL	R1=91 µL, R2=39 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 6.3 µL	Urine: 6.3 µL
› AU680	Urine: 9 µL	Urine: 9 µL
› AU5800/AU480	Urine: 6.3 µL	Urine: 6.3 µL
Cutoff Level	300 ng/mL	N/A
Analytical Measurement Range	User-defined	20-1000 ng/mL
Comment(s)		

	Ecstasy 300 Cutoff	Ecstasy 500 Cutoff
Abbreviation	XTC	XTC
Kit: DxC 700 AU	OSR9X229 (2 x 275 tests)	OSR9X229 (2 x 275 tests)
Kit: AU680	OSR9X229 (2 x 200 tests)	OSR9X229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9X229 (2 x 275 tests)	OSR9X229 (2 x 275 tests)
Calibrator Part Number	9R549	9R569
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	13, 15	13, 15
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=91 µL, R2=39 µL	R1=91 µL, R2=39 µL
› AU680	R1=130 µL, R2=55 µL	R1=130 µL, R2=55 µL
› AU5800/AU480	R1=91 µL, R2=39 µL	R1=91 µL, R2=39 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 4.9 µL	Urine: 3.5 µL
› AU680	Urine: 7 µL	Urine: 5.0 µL
› AU5800/AU480	Urine: 4.9 µL	Urine: 3.5 µL
Cutoff Level	300 ng/mL	500 ng/mL
Analytical Measurement Range	User-defined	User-defined
Comment(s)		

	Ecstasy 300 SQ	Ecstasy 500 SQ
Abbreviation	XTC	XTC
Kit: DxC 700 AU	OSR9X229 (2 x 275 tests)	OSR9X229 (2 x 275 tests)
Kit: AU680	OSR9X229 (2 x 200 tests)	OSR9X229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9X229 (2 x 275 tests)	OSR9X229 (2 x 275 tests)
Calibrator Part Number	9R529, 9R549, 9R569	9R529, 9R549, 9R569, 9R589
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	13, 15	13, 15
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	Reagent blank daily	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=91 µL, R2=39 µL	R1=91 µL, R2=39 µL
› AU680	R1=130 µL, R2=55 µL	R1=130 µL, R2=55 µL
› AU5800/AU480	R1=91 µL, R2=39 µL	R1=91 µL, R2=39 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 4.9 µL	Urine: 3.5 µL
› AU680	Urine: 7 µL	Urine: 5.0 µL
› AU5800/AU480	Urine: 4.9 µL	Urine: 3.5 µL
Cutoff Level	300 ng/mL	500 ng/mL
Analytical Measurement Range	75-500 ng/mL	75-1000 ng/mL
Comment(s)		

	EDDP 100 Cutoff	EDDP SQ
Abbreviation	EDDP	EDDP
Kit: DxC 700 AU	OSR6318 (2 x 230 tests)	OSR6318 (2 x 230 tests)
Kit: AU680	OSR6318 (2 x 260 tests)	OSR6318 (2 x 260 tests)
Kit: AU5800/AU480	OSR6318 (2 x 230 tests)	OSR6318 (2 x 230 tests)
Calibrator Part Number	ODC6315 or ODC6316	ODC6314, ODC6315 or ODC6316, ODC6317, ODC6318
Control Name (Part Number)	DAU Specialty Control/Multi-drug Control (ODC0007, ODC0006)	DAU Specialty Control/Multi-drug Control (ODC0007, ODC0006)
Measurement Principle	Qualitative CEDIA	Semi-quantitative CEDIA
Reaction Type	Rate	Rate 1
Primary Wavelength	570 nm	570 nm
Measuring Points	24, 27	24, 27
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid/Lyophilized*
Onboard Stability	60 days AU5800 30 days	60 days AU5800 30 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=61 µL, R2=61 µL	R1=61 µL, R2=61 µL
› AU680	R1=61 µL, R2=61 µL	R1=61 µL, R2=61 µL
› AU5800/AU480	R1=61 µL, R2=61 µL	R1=61 µL, R2=61 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 5.6 µL	Urine: 5.6 µL
› AU680	Urine: 5.6 µL	Urine: 5.6 µL
› AU5800/AU480	Urine: 5.6 µL	Urine: 5.6 µL
Cutoff Level	100 ng/mL	N/A
Analytical Measurement Range		0–2000 µg/L
Comment(s)	*Refer to IFU for reagent preparation.	*Refer to IFU for reagent preparation.

DRUGS OF ABUSE TESTING (DAT)

	Ethyl Alcohol	LSD 0.5 Cutoff
Abbreviation	ALC	LSD
Kit: DxC 700 AU	OSR9K229 (2 x 175 tests)	9L039 (250 tests)
Kit: AU680	OSR9K229 (2 x 128 tests)	9L039 (200 tests)
Kit: AU5800/AU480	OSR9K229 (2 x 175 tests)	9L039 (250 tests)
Calibrator Part Number	9K029, 9K059	9L109
Control Name (Part Number)	AE610A, AE600A, AE601A, AE602A	LSD Level I Control (9L419), LSD Level II Control (9L519)
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	12, 16	17, 27
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	Reagent blank daily	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	Serum/Urine: R1=147 µL, R2=63 µL	R1=80 µL, R2=40 µL
› AU680	Serum/Urine: R1=210 µL, R2=90 µL	R1=100 µL, R2=50 µL
› AU5800/AU480	Serum/Urine: R1=147 µL, R2=63 µL	R1=80 µL, R2=40 µL
Sample Type	Urine	Urine
› DxC 700 AU	Serum: 2.8 µL Urine: 2.8 µL	Urine: 16 µL
› AU680	Serum: 4.0 µL Urine: 4.0 µL	Urine: 20 µL
› AU5800/AU480	Serum: 2.8 µL Urine: 2.8 µL	Urine: 16 µL
Cutoff Level	N/A	0.5 ng/mL
Analytical Measurement Range	Serum/Plasma/Urine: User-defined	User-defined
Comment(s)		

	LSD SQ	Methadone 150 Cutoff
Abbreviation	LSD	METH+
Kit: DxC 700 AU	9L039 (250 tests)	OSR9E229 (2 x 275 tests)
Kit: AU680	9L039 (200 tests)	OSR9E229 (2 x 200 tests)
Kit: AU5800/AU480	9L039 (250 tests)	OSR9E229 (2 x 275 tests)
Calibrator Part Number	9L009, 9L109, 9L209, 9L309	9A549
Control Name (Part Number)	LSD Level I Control (9L419), LSD Level II Control (9L519)	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	22, 27	15, 19
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
> DxC 700 AU	R1=80 µL, R2=40 µL	R1=98 µL, R2=42 µL
> AU680	R1=100 µL, R2=50 µL	R1=140 µL, R2=60 µL
> AU5800/AU480	R1=80 µL, R2=40 µL	R1=98 µL, R2=42 µL
Sample Type	Urine	Urine
> DxC 700 AU	Urine: 16 µL	Urine: 4.2 µL
> AU680	Urine: 20 µL	Urine: 6 µL
> AU5800/AU480	Urine: 16 µL	Urine: 4.2 µL
Cutoff Level	N/A	150 ng/mL
Analytical Measurement Range	0.05–2.50 ng/mL	User-defined
Comment(s)		

	Methadone 300 Cutoff	Methadone SQ
Abbreviation	METH+	METH+
Kit: DxC 700 AU	OSR9E229 (2 x 275 tests)	OSR9E229 (2 x 275 tests)
Kit: AU680	OSR9E229 (2 x 200 tests)	OSR9E229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9E229 (2 x 275 tests)	OSR9E229 (2 x 275 tests)
Calibrator Part Number	9A569	9A549, 9A569, 9A589, 9A609
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 19	15, 19
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=98 µL, R2=42 µL	R1=98 µL, R2=42 µL
› AU680	R1=140 µL, R2=60 µL	R1=140 µL, R2=60 µL
› AU5800/AU480	R1=98 µL, R2=42 µL	R1=98 µL, R2=42 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 4.2 µL	Urine: 4.2 µL
› AU680	Urine: 6 µL	Urine: 6 µL
› AU5800/AU480	Urine: 4.2 µL	Urine: 4.2 µL
Cutoff Level	300 ng/mL	N/A
Analytical Measurement Range	User-defined	30-1000 ng/mL
Comment(s)		

	Methaqualone 300 Cutoff	Methaqualone SQ
Abbreviation	METQ+	METQ+
Kit: DxC 700 AU	OSR9Q229 (2 x 275 tests)	OSR9Q229 (2 x 275 tests)
Kit: AU680	OSR9Q229 (2 x 200 tests)	OSR9Q229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9Q229 (2 x 275 tests)	OSR9Q229 (2 x 275 tests)
Calibrator Part Number	9A569	9A549, 9A569, 9A589, 9A609
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 19	15, 19
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=91 µL, R2=39 µL	R1=91 µL, R2=39 µL
› AU680	R1=130 µL, R2=55 µL	R1=130 µL, R2=55 µL
› AU5800/AU480	R1=91 µL, R2=39 µL	R1=91 µL, R2=39 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 3.9 µL	Urine: 3.9 µL
› AU680	Urine: 5.5 µL	Urine: 5.5 µL
› AU5800/AU480	Urine: 3.9 µL	Urine: 3.9 µL
Cutoff Level	300 ng/mL	300 ng/mL
Analytical Measurement Range	User-defined	46-1000 ng/mL
Comment(s)		

	Opiates 300 Cutoff	Opiates 2000 Cutoff
Abbreviation	OPIA+	OPIA+
Kit: DxC 700 AU	OSR9B229 (2 x 275 tests)	OSR9B229 (2 x 185 tests)
Kit: AU680	OSR9B229 (2 x 200 tests)	OSR9B229 (2 x 137 tests)
Kit: AU5800/AU480	OSR9B229 (2 x 275 tests)	OSR9B229 (2 x 185 tests)
Calibrator Part Number	9A529	9A569
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	16, 22	16, 22
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=94 µL, R2=35 µL	R1=140 µL, R2=53 µL
› AU680	R1=134 µL, R2=50 µL	R1=200 µL, R2=75 µL
› AU5800/AU480	R1=94 µL, R2=35 µL	R1=140 µL, R2=53 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 5.6 µL	Urine: 2.1 µL
› AU680	Urine: 8.0 µL	Urine: 3.3 µL
› AU5800/AU480	Urine: 5.6 µL	Urine: 2.1 µL
Cutoff Level	300 ng/mL	2000 ng/mL
Analytical Measurement Range	User-defined	User-defined
Comment(s)		

	Opiates 300 SQ	Opiates 2000 SQ
Abbreviation	OPIA+	OPIA+
Kit: DxC 700 AU	OSR9B229 (2 x 275 tests)	OSR9B229 (2 x 185 tests)
Kit: AU680	OSR9B229 (2 x 200 tests)	OSR9B229 (2 x 137 tests)
Kit: AU5800/AU480	OSR9B229 (2 x 275 tests)	OSR9B229 (2 x 185 tests)
Calibrator Part Number	9A509, 9A529, 9A549, 9A569	9A509, 9A549, 9A569, 9A609
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	16, 22	16, 22
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	Reagent blank daily	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=94 µL, R2=35 µL	R1=140 µL, R2=53 µL
› AU680	R1=134 µL, R2=50 µL	R1=200 µL, R2=75 µL
› AU5800/AU480	R1=94 µL, R2=35 µL	R1=140 µL, R2=53 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 5.6 µL	Urine: 2.1 µL
› AU680	Urine: 8.0 µL	Urine: 3.0 µL
› AU5800/AU480	Urine: 5.6 µL	Urine: 2.1 µL
Cutoff Level	300 ng/mL	2000 ng/mL
Analytical Measurement Range	16–2000 ng/mL	140–4000 ng/mL
Comment(s)		

	Phencyclidine 25 Cutoff	Phencyclidine SQ
Abbreviation	PCP+	PCP+
Kit: DxC 700 AU	OSR9J229 (2 x 275 tests)	OSR9J229 (2 x 275 tests)
Kit: AU680	OSR9J229 (2 x 200 tests)	OSR9J229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9J229 (2 x 275 tests)	OSR9J229 (2 x 275 tests)
Calibrator Part Number	9A569	9A549, 9A569, 9A589, 9A609
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 19	15, 19
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
> DxC 700 AU	R1=84 µL, R2=35 µL	R1=84 µL, R2=35 µL
> AU680	R1=120 µL, R2=50 µL	R1=120 µL, R2=50 µL
> AU5800/AU480	R1=84 µL, R2=35 µL	R1=84 µL, R2=35 µL
Sample Type	Urine	Urine
> DxC 700 AU	Urine: 4.9 µL	Urine: 4.9 µL
> AU680	Urine: 7 µL	Urine: 7 µL
> AU5800/AU480	Urine: 4.9 µL	Urine: 4.9 µL
Cutoff Level	25 ng/mL	25 ng/mL
Analytical Measurement Range	User-defined	1.4-100 ng/mL
Comment(s)		

	Propoxyphene 300 Cutoff	Propoxyphene SQ
Abbreviation	PPX+	PPX+
Kit: DxC 700 AU	OSR9G229 (2 x 275 tests)	OSR9G229 (2 x 275 tests)
Kit: AU680	OSR9G229 (2 x 200 tests)	OSR9G229 (2 x 200 tests)
Kit: AU5800/AU480	OSR9G229 (2 x 275 tests)	OSR9G229 (2 x 275 tests)
Calibrator Part Number	9A569	9A549, 9A569, 9A589
Control Name (Part Number)	No specific recommendation	No specific recommendation
Measurement Principle	Emit* II Plus	Emit* II Plus
Reaction Type	Fixed	Fixed
Primary Wavelength	340 nm	340 nm
Measuring Points	15, 19	15, 19
Liquid or Lyophilized	Liquid	Liquid
Onboard Stability	28 days	28 days
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	Reagent blank daily
Compatible Anticoagulants	N/A	N/A
Reagent Volume		
› DxC 700 AU	R1=84 µL, R2=35 µL	R1=84 µL, R2=35 µL
› AU680	R1=120 µL, R2=50 µL	R1=120 µL, R2=50 µL
› AU5800/AU480	R1=84 µL, R2=35 µL	R1=84 µL, R2=35 µL
Sample Type	Urine	Urine
› DxC 700 AU	Urine: 4.9 µL	Urine: 4.9 µL
› AU680	Urine: 7 µL	Urine: 7 µL
› AU5800/AU480	Urine: 4.9 µL	Urine: 4.9 µL
Cutoff Level	300 ng/mL	300 ng/mL
Analytical Measurement Range	User-defined	59–500 ng/L
Comment(s)		

Tricyclics Tox

Abbreviation	TRICY
Kit: DxC 700 AU	7C209UL (1 x 360 tests)
Kit: AU680	7C209UL (1 x 295 tests)
Kit: AU5800/AU480	7C209UL (1 x 360 tests)
Calibrator Part Number	7C219
Control Name (Part Number)	No specific recommendaiton
Measurement Principle	Emit* Tox
Reaction Type	Fixed
Primary Wavelength	340 nm
Measuring Points	13, 15
Liquid or Lyophilized	Lyophilized
Onboard Stability	28 days
Storage Temperature	+2 to +8° C
Calibration Frequency	Reagent blank daily
Compatible Anticoagulants	Heparin, Oxalate, EDTA
Reagent Volume	
› DxC 700 AU	R1=60 µL, R2=60 µL
› AU680	R1=75 µL, R2=75 µL
› AU5800/AU480	R1=60 µL, R2=60 µL
Sample Type	Serum/Plasma
› DxC 700 AU	Serum: 2 µL
› AU680	Serum: 2.5 µL
› AU5800/AU480	Serum: 2 µL
Cutoff Level	N/A
Analytical Measurement Range	User-defined
Comment(s)	User-defined reagent.

	Cyclosporine	Everolimus
Abbreviation	CSA	EVE
Kit: DxC 700 AU	A31849 (1 x 220 tests)	A53716 (1 x 100 tests)
Kit: AU480/AU680	A31849 (1 x 220 tests)	A53716 (1 x 100 tests)
Kit: AU5800	A31849 (1 x 220 tests)	A53716 (1 x 100 tests)
Calibrator Part Number	Low Cal set in Reagent Kit A31849; High Cal set 979511	A53724: 6 levels, 1 x 3 µL per level
Control Name (Part Number)	More Diagnostics Controls 1,2,3 for Low Range: B51007, A53712, A43713 CSA controls C4,C5 for high range: 979512, 979513	Thermo A53717: 3 levels, 1 x 3 µL per level
Measurement Principle	CEDIA/recombinant DNA technology Homogeneous enzyme immunoassay	Homogeneous particle-enhanced turbidimetric immunoassay
Reaction Type	Fixed 1	Fixed 1
Primary Wavelength	570	700
Measuring Points	24, 27	24, 27
Liquid or Lyophilized	Lyophilized	Liquid
Onboard Stability	28 days for DxC 700 AU Other: User-defined	29 days for DxC 700 AU Other: User-defined
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	EDTA	EDTA-K₂
Reagent Volume		
> DxC 700 AU	R1=146 µL, R2=75 µL	R1=175 µL, R2=45 µL
> AU480/AU680	R1=146 µL, R2=75 µL	R1=175 µL, R2=45 µL
> AU5800	R1=131 µL, R2=67 µL	R1=156 µL, R2=40 µL
Sample Type	Whole blood treated with EDTA	Whole blood treated with EDTA-K₂
> DxC 700 AU	Low range: 19 µL , High range: 3 µl	10 µL
> AU480/AU680	Low range: 19 µL , High range: 3 µl	10 µL
> AU5800	Low range: 17 µL , High range: 2.7 µl	8.9 µL
Analytical Measurement Range	Assay range (low range): 25-450 ng/µL Assay range (high range): 450-2000 ng/µL	1.50-20.00 ng/µL
Reference Interval	Consult literature	Consult literature
Precision Specification	Typical CV for Control Level 1 SD <10.0 ng/µL, Control Level 2 CV <7.5%, Control Level 3 CV <7.5%, Control Level 4 CV <10.0%, Control Level 5 CV <10.0%	Typical CV for Thermo QMS controls: Control Level 1 CV <20.0%, Control Level 2 CV <15.0%, Control Level 3 CV <15.0%
Comment(s)	User-defined reagent. *Sample requires offline preparation. Prior to pouring reagent into AU bottles, allow the reagent to equilibrate for 15 minutes at refrigerated temperature (2 to 8°C).	User-defined reagent. *Sample preparation requires offline methanol extraction. Prior to pouring reagent into AU bottles, allow the reagent to equilibrate for 15 minutes at refrigerated temperature (2 to 8°C).

	Mycophenolic Acid	Tacrolimus
Abbreviation	MPA	TACO
Kit: DxC 700 AU	B01460 (1 x 130 tests)	A53727 (1 x 100 tests)
Kit: AU480/AU680	B01460 (1 x 130 tests)	A53727 (1 x 100 tests)
Kit: AU5800	B01460 (1 x 130 tests)	A53727 (1 x 100 tests)
Calibrator Part Number	B37609	A53728
Control Name (Part Number)	MAS Controls: MAS B37611, B01543, B01544	More diagnostics B51007, A53712, A53713
Measurement Principle	CEDIA/recombinant DNA technology, Homogeneous enzyme immunoassay	Homogeneous particle-enhanced turbidimetric immunoassay
Reaction Type	Fixed 1	Fixed 1
Primary Wavelength	570	700
Measuring Points	24, 27	20, 27
Liquid or Lyophilized	Lyophilized	Liquid
Onboard Stability	30 days for DxC 700 AU Other: User-defined	30 days for DxC 700 AU Other: User-defined
Storage Temperature	+2 to +8° C	+2 to +8° C
Calibration Frequency	User-defined	User-defined
Compatible Anticoagulants	Na2EDTA or K2EDTA plasma	EDTA
Reagent Volume		
> DxC 700 AU	R1=150 µL, R2=60 µL	R1=125 µL, R2=75 µL
> AU480/AU680	R1=150 µL, R2=60 µL	R1=125 µL, R2=75 µL
> AU5800	R1=150 µL, R2=60 µL	R1=125 µL, R2=75 µL
Sample Type	Plasma EDTA	Whole blood treated with EDTA
> DxC 700 AU	7.5 µL	10 µL
> AU480/AU680	7.5 µL	10 µL
> AU5800	7.5 µL	10 µL
Analytical Measurement Range	0.30-10.00 ng/µL	1.0-30.0 ng/µL
Reference Interval	Consult literature	Consult literature
Precision Specification	Typical CV for MAS controls: Level 1 (≤15 %CV or 0.3 ug/mL SD), Level 2 (≤10.0 %CV) Level 3 (≤7.5 %CV)	Typical CV: Level 1 -3.6 ng/mL, Level 2 -10.5 ng/mL, Level 3 -17.6 ng/mL, Level 4 -25.9 ng/mL, All CVs ≤10.0%
Comment(s)	User-defined reagent. Prior to pouring reagent into AU bottles, allow the reagent to equilibrate for 15 minutes at refrigerated temperature (2 to 8°C).	User-defined reagent. Note: *Sample preparation requires offline methanol extraction. Prior to pouring reagent into AU bottles, allow the reagent to equilibrate for 15 minutes at refrigerated temperature (2 to 8°C).

	Chloride	Sodium
Abbreviation	CL	NA
Kit: DxC 700 AU	MU9196 (40000 tests/electrode)	MU9194 (40000 tests/6 months)
Kit: AU480/AU680	MU9196 (40000 tests/electrode)	MU9194 (40000 tests/6 months)
Kit: AU5800	MU9196 (40000 tests/electrode)	MU9194 (40000 tests/6 months)
Calibrator Part Number	Serum Low & High Standards: 66317 & 66316 Urine Low/High Urine Standard: 66315	Serum Low & High Standards: 66317 & 66316 Urine Low/High Urine Standard: 66315
Control Name (Part Number)	Serum/Plasma: Control Serum Level 1 & 2 (ODC0003 & ODC0004) Urine: Control material determined by this method	Serum/Plasma: Control Serum Level 1 & 2 (ODC0003 & ODC0004) Urine: Control material determined by this method
Measurement Principle	ISE (Indirect) Oriented PVC Membrane	ISE (Indirect) Crown-ether Membrane
Reaction Type	N/A	N/A
Primary Wavelength	N/A	N/A
Measuring Points	N/A	N/A
Liquid or Lyophilized	N/A	N/A
Onboard Stability	66313 ISE Na+ /K+ Selectivity Check: 90 days 66314 ISE Internal Reference: 90 days 66315 ISE Low/High Urine Standard: 90 days 66316 ISE High Serum Standard: 90 days 66317 ISE Low Serum Standard: 90 days 66318 ISE Reference: 60 days 66319 ISE Mid Standard: 30 days 66320 ISE Buffer: 60 days	66313 ISE Na+ /K+ Selectivity Check: 90 days 66314 ISE Internal Reference: 90 days 66315 ISE Low/High Urine Standard: 90 days 66316 ISE High Serum Standard: 90 days 66317 ISE Low Serum Standard: 90 days 66318 ISE Reference: 60 days 66319 ISE Mid Standard: 30 days 66320 ISE Buffer: 60 days
Storage Temperature	2 to 25 C (66314 @ 15 to + 25 C)	
Calibration Frequency	1 day	1 day
Compatible Anticoagulants	Lithium Heparin	Lithium Heparin
Reagent Volume		
› DxC 700 AU	Serum: 600 µL , Urine: 750 µL	Serum: 600 µL , Urine: 750 µL
› AU480/AU680	Serum: 618 µL , Urine: 618 µL	Serum: 618 µL , Urine: 618 µL
› AU5800	Serum: 618 µL , Urine: 618 µL	Serum: 618 µL , Urine: 618 µL
Sample Type	Serum/Plasma/Urine	Serum/Plasma/Urine
› DxC 700 AU	Serum/Plasma: 20 µL Urine: 25 µL CSF: N/A	Serum/Plasma: 20 µL Urine: 25 µL CSF: N/A
› AU480/AU680	Serum/Plasma: 20 µL Urine: 20 µL CSF: N/A	Serum/Plasma: 20 µL Urine: 20 µL CSF: N/A
› AU5800	Serum/Plasma: 20 µL Urine: 20 µL CSF: N/A	Serum/Plasma: 20 µL Urine: 20 µL CSF: N/A
Analytical Measurement Range	Serum/Plasma: 50–200 mmol/L Urine: 15–400 mmol/L CSF: N/A	Serum/Plasma: 50–200 mmol/L Urine: 10–400 mmol/L CSF: N/A
Reference Interval	Serum/Plasma: 101–109 mmol/L Urine: 110–250 mmol/day CSF: N/A	Serum/Plasma: 136–146 mmol/L Urine: 40–220 mmol/day CSF: N/A
Precision Specification	Serum/Plasma: ≤3% within run (n=5) Urine: ≤3% within run (n=5) CSF: N/A	Serum/Plasma: ≤3% CV within run (n=5) Urine: ≤3% within run (n=5) CSF: N/A
Comment(s)	*For ISEs, reagent volume section represents ISE buffer volume used per test. For ISEs, kit refers to the specific electrode part numbers.	*For ISEs, reagent volume section represents ISE buffer volume used per test.

Potassium

Abbreviation	CL
Kit: DxC 700 AU	MU9195 (40,000 tests/6 months)
Kit: AU480/AU680	MU9195 (40,000 tests/6 months)
Kit: AU5800	MU9195 (40,000 tests/6 months)
Calibrator Part Number	Serum Low & High Standards: 66317 & 66316 , Urine Low/High Urine Standard: 66315
Control Name (Part Number)	Serum/Plasma: Control Serum Level 1 & 2 (ODC0003 & ODC0004) , Urine: Control material determined by this method
Measurement Principle	ISE (Indirect) Crown-ether Membrane
Reaction Type	N/A
Primary Wavelength	N/A
Measuring Points	N/A
Liquid or Lyophilized	N/A
Onboard Stability	66313 ISE Na+ /K+ Selectivity Check: 90 days 66314 ISE Internal Reference: 90 days 66315 ISE Low/High Urine Standard: 90 days 66316 ISE High Serum Standard: 90 days 66317 ISE Low Serum Standard: 90 days 66318 ISE Reference: 60 days 66319 ISE Mid Standard: 30 days 66320 ISE Buffer: 60 days
Storage Temperature	
Calibration Frequency	1 day
Compatible Anticoagulants	Lithium Heparin
Reagent Volume	
› DxC 700 AU	Serum: 600 µL , Urine: 750 µL
› AU480/AU680	Serum: 618 µL , Urine: 618 µL
› AU5800	Serum: 618 µL , Urine: 618 µL
Sample Type	Serum/Plasma/Urine
› DxC 700 AU	Serum/Plasma: 20 µL Urine: 25 µL CSF: N/A
› AU480/AU680	Serum/Plasma: 20 µL Urine: 20 µL CSF: N/A
› AU5800	Serum/Plasma: 20 µL Urine: 20 µL CSF: N/A
Analytical Measurement Range	Serum/Plasma: 1-10 mmol/L Urine: 2-200 mmol/L CSF: N/A
Reference Interval	Serum: 3.5-5.1 mmol/L Plasma: 3.4-4.5 mmol/L Urine: 25-125 mmol/day CSF: N/A
Precision Specification	Serum/Plasma: ≤3% within run (n=5) Urine: ≤3% within run (n=5) CSF: N/A
Comment(s)	*For ISEs, reagent volume section represents ISE Buffer volume used per test.

Acetaminophen	39	Cocaine Metabolite (300 cutoff)	57	Methaqualone (300 cutoff)	64
Alanine Aminotransferase (IFCC)	6	Cocaine Metabolite (semi-quantitative)	57	Methaqualone (semi-quantitative)	64
Albumin	6	Complement 3	26	Methotrexate	43
Alkaline Phosphatase (IFCC)	7	Complement 4	27	Mycophenolic acid	71
Alpha-1-Acidglycoprotein	23	Creatine Kinase	11	Myoglobin	31
Alpha-1-Antitrypsin	23	Creatine Kinase MB	34	Opiates (2000 cutoff)	65
Amikacin	39	Creatinine	11	Opiates (2000 cutoff/ semi-quantitative)	66
Amphetamine (1000 cutoff)	48	Creatinine (Enzymatic)	12	Opiates (300 cutoff)	65
Amphetamine (1000 cutoff/ semi-quantitative)	49	Cyclosporine	70	Opiates (300 cutoff/ semi-quantitative)	66
Amphetamine (300 cutoff)	47	Cystatin C	35	Pancreatic Amylase	37
Amphetamine (300 cutoff/ semi-quantitative)	48	D-dimer	35	Phencyclidine (25 cutoff)	67
Amphetamine (500 cutoff)	47	Digitoxin	42	Phencyclidine (semi-quantitative)	67
Amphetamine (500 cutoff/ semi-quantitative)	49	Digoxin QMS	41	Phenobarbital	43
Amylase (CNPG3)	7	Digoxin Emit	41	Phenytoin	44
Amylase (IFCC-EPS)	8	Direct Bilirubin	12	Phosphorus (Inorganic)	18
Anti-Streptolysin O	24	Ecstasy (300 cutoff)	58	Potassium	73
Apolipoprotein A1	24	Ecstasy (300 cutoff/ semi-quantitative)	59	Prealbumin	32
Apolipoprotein B	25	Ecstasy (500 cutoff)	58	Procalcitonin	38
Aspartate Aminotransferase (IFCC)	8	Ecstasy (500 cutoff/ semi-quantitative)	59	Propoxyphene (300 cutoff)	68
Barbiturate (200 cutoff)	50	EDDP (100 cutoff)	60	Propoxyphene (semi-quantitative)	68
Barbiturate (300 cutoff)	50	EDDP (semi-quantitative)	60	Rheumatoid Factor	32
Barbiturate (semi-quantitative)	51	Ethyl Alcohol	61	Salicylic Acid	44
Barbiturate, Tox	51	Everolimus	70	Sodium	72
Benzodiazepine (200 cutoff)	52	Ferritin	29	Syphilis	38
Benzodiazepine (300 cutoff)	52	Gamma-glutamyltransferase	13	Tacrolimus	71
Benzodiazepine (semi-quantitative)	53	Gentamicin	42	Theophylline	45
Benzodiazepine, Tox	53	Glucose	13	Tobramycin	45
Beta-2 Microglobulin	25	Haptoglobin	29	Total Bilirubin	19
Bicarbonate	9	HDL Cholesterol	14	Total Protein	19
C-Reactive Protein	27	Hemoglobin A1c	36	Transferrin	33
C-Reactive Protein	28	Homocysteine	36	Tricyclics Tox	69
C-Reactive Protein, High Sensitivity	28	Hydroxybutyrate Dehydrogenase	14	Triglyceride	20
Caffeine	40	Immunoglobulin A	30	Unsaturated Iron Binding Capacity	20
Calcium Arsenazo	9	Immunoglobulin G	30	Urea	21
Calcium oCPC	10	Immunoglobulin M	31	Urea - STAT	21
Cannabinoid (100 cutoff)	55	Iron	15	Uric Acid	22
Cannabinoid (20 cutoff)	54	Iron	15	Urinary/CSF Albumin	33
Cannabinoid (50 cutoff)	54	Lactate	37	Urinary/CSF Protein	22
Cannabinoid (50 cutoff/ semi-quantitative)	55	Lactate Dehydrogenase (SCE)	16	Valproic Acid	46
Cannabinoid (100 cutoff/ semi-quantitative)	56	LDL Cholesterol	15	Vancomycin	46
Carbamazepine	40	Lipase	17		
Ceruloplasmin	26	Lipase NG	17		
Chloride	72	LSD (0.5 cutoff)	61		
Cholesterol	10	LSD (semi-quantitative)	62		
Cholinesterase	34	Magnesium	18		
Cocaine Metabolite (150 cutoff)	56	Methadone (150 cutoff)	62		
		Methadone (300 cutoff)	63		
		Methadone (semi-quantitative)	63		



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