



## THE TRUE MONOTEST

- Flexible and fully automated solution.
- On-demand testing, 1 monotest = 1 reportable test.
- Excellent turnaround time. Simple protocol with results in 1 hour.
- Individual quality control per monotest, no need for additional controls or calibrations.
- Objective method with excellent diagnostic sensitivity and specificity.
- The most extensive CLIA monotest panel in infectious diseases: qualitative, quantitative and avidity tests.
- Allows different VirClia® parameters to be tested simultaneously.

4 reikalavimas



# >90 PARAMETERS IN INFECTIOUS DISEASES



## FUNGAL INFECTIONS

Aspergillus galactomannan Ag

Invasive candidiasis (CAGTA) IgG



## SEXUALLY TRANSMITTED INFECTIONS

*Chlamydia trachomatis* IgA, IgG, IgM

Syphilis IgG, IgG+IgM, IgM

2 reikalavimas



## TORCH

Cytomegalovirus IgG, IgG avidity, IgM

Herpes simplex 1 IgG, IgM

Herpes simplex 1+2 IgG, IgM

Herpes simplex 2 IgG, IgM

Rubella IgG, IgM

Toxoplasma IgG, IgG avidity, IgM



## VACCINE-PREVENTABLE INFECTIONS

Diphtheria IgG

Measles IgG, IgM

Mumps IgG, IgM

Tetanus IgG

Varicella-zoster IgG, IgM



## VECTOR-BORNE INFECTIONS

*Borrelia* IgG, IgM

Chagas IgG+IgM

Chagas TESA IgG+IgM

Chikungunya IgG, IgM

Dengue IgG, IgM

*Leishmania* IgG+gM

*Rickettsia conorii* IgG, IgM

Ross River virus IgG, IgM

Tick-borne encephalitis IgG, IgM

West Nile virus IgG, IgM

Zika IgG, IgM



## BACTERIAL RESPIRATORY INFECTIONS

*Bordetella pertussis* toxin IgG

*Chlamydia pneumoniae* IgA, IgG, IgM

*Coxiella burnetii* IgG, IgM

*Legionella pneumophila* IgG, IgG+IgM, IgM

*Mycoplasma pneumoniae* IgG, IgM



## VIRAL RESPIRATORY INFECTIONS

Adenovirus IgG

COVID-19 IgG, IgM+IgA

COVID-19 SPIKE IgG

Influenza A IgG

Influenza B IgG

Parainfluenza 1 IgG

Parainfluenza 2 IgG

Parainfluenza 3 IgG

Respiratory syncytial virus IgG



## ZOONOSES

*Bartonella henselae* IgG, IgM

*Brucella* IgG, IgM

Hydatidosis IgG

Tularemia IgG+IgM



## OTHER INFECTIONS

Epstein-Barr EA IgG

Epstein-Barr EBNA IgG

Epstein-Barr VCA IgG, IgM

*Helicobacter pylori* Ag **NEW**

*Helicobacter pylori* IgA, IgG

Hepatitis E IgG, IgG avidity, IgM **NEW**

HHV-6 IgG

Infectious mononucleosis IgM

*Leptospira* IgM

Parvovirus IgG, IgM

# VirClia<sup>®</sup> Lotus

Any test, any sample, any time

## RANDOM ACCESS, CONTINUOUS LOADING

VirClia<sup>®</sup> Lotus accepts any combination of samples and reagents, regardless of the instrument status. Even while running, it remains accessible for reagent and sample addition.

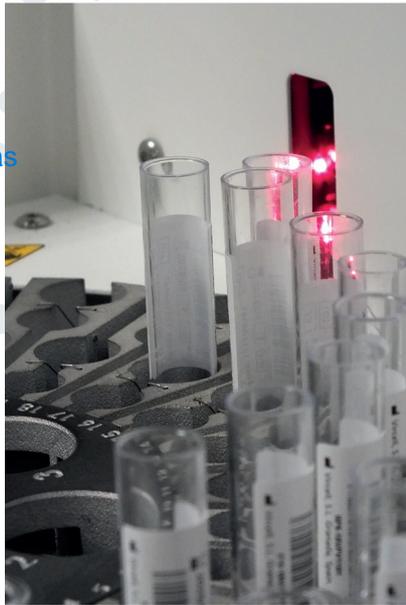
7 reikalavimas

## POSITIVE IDENTIFICATION OF SAMPLES & STRIPS

VirClia<sup>®</sup> Lotus built-in scanner allows for full traceability of both samples and strips, avoiding clerical errors.

## STAT FUNCTION

Urgent samples can be prioritized. With VirClia<sup>®</sup> Lotus, STAT test requests are given the highest priority for processing.



## TOTAL FLEXIBILITY

This true monotest solution allows the laboratory to run low-volume infectious serology tests daily, alongside the laboratory routine. VirClia<sup>®</sup> Lotus unifies in just one CLIA system, all those parameters typically performed with ELISA, IFA or Rapid Tests.

## EXCELLENT TURNAROUND TIME

Results appear as soon as they are processed. The first results are available within 70 minutes and then, every 35 seconds thereafter.

The system is able to process 40 tests in 90 minutes. VirClia<sup>®</sup> Lotus holds up to 79 different monotests on-board and 50 primary sample tubes.

## SAMPLE PRIMARY TUBES

Save hands-on-time using primary tubes (11-16 mm) directly in VirClia<sup>®</sup> Lotus, avoiding the inconvenience of transferring samples or performing external predilutions.



# VIRCLIA® LOTUS TECHNICAL DATA

## OVERVIEW

Description	VIRCLIA® LOTUS (Ref. VCLTS-CL)	CE IVD
Method	Chemiluminescence immunoassay (CLIA)	8 reikalavimas
Operation mode	Continuous loading, random access	
Urgent Samples Management	STAT function	9 reikalavimas
Multiparameter	Full compatibility with all VirClia® assays	10 reikalavimas

## CAPACITY

Sample loading	50 Primary tubes, 50 dilution tubes and 6 bottles of diluent	
Strip loading	39 in loading rotor and 40 in reaction rotor	3 reikalavimas
Wash buffer	5 liters	
Distilled water	0.25 liters	6 reikalavimas
Liquid waste	5 liters (internal tank) / 11 liters (external tank)	5 reikalavimas
Solid waste	80 strips (automatic disposal)	

## THROUGHPUT

Time to first result	First results in 70 min (one result every 35 seconds)
Speed	40 tests in 90 min

## SAMPLES AND REAGENTS HANDLING

Sample tubes	Primary tube (11-16 mm diameter)
Predilution	Automatic predilution if required
Built-in scanner	Positive identification of samples and strips

## USER INTERFACE

PC	External laptop 15.3" Touch screen, 1920 x 1080 resolution
Operating system	Windows 10 Pro x64
LIS connectivity	Bidirectional VirCom middleware
Results management	Customized mode (per test, per patient) Automatic full report (QC per test, no standard curves) Accesible results

## OTHER FEATURES

Dimensions and weight	W 75 cm x D 74 cm x H 65 cm. 70 kg (max)
Noise Level	<75 decibels
Power supply	Europe: 230 Vac@ 50Hz USA/Canada: 110-120Vac@ 60Hz
Electrical Power Consumption	365 VA

# WIDEST PANEL FOR INFECTIOUS SEROLOGY



## BACTERIAL RESPIRATORY INFECTIONS

- VCM092** BORDETELLA PERTUSSIS TOXIN VIRCLIA® IgG MONOTEST (quant.)
- VCM016** CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgA MONOTEST
- VCM017** CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgG MONOTEST
- VCM018** CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgM MONOTEST
- VCM019** COXIELLA BURNETII VIRCLIA® IgG MONOTEST
- VCM020** COXIELLA BURNETII VIRCLIA® IgM MONOTEST
- VCM049** LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgG MONOTEST
- VCM050** LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgM MONOTEST
- VCM052** LEGIONELLA PNEUMOPHILA SG 1-6 VIRCLIA® IgG+IgM MONOTEST
- VCM062** MYCOPLASMA PNEUMONIAE VIRCLIA® IgG MONOTEST
- VCM064** MYCOPLASMA PNEUMONIAE VIRCLIA® IgM MONOTEST



## VIRAL RESPIRATORY INFECTIONS

- VCM002** ADENOVIRUS VIRCLIA® IgG MONOTEST
- VCM042** INFLUENZA A VIRCLIA® IgG MONOTEST
- VCM045** INFLUENZA B VIRCLIA® IgG MONOTEST
- VCM065** PARAINFLUENZA 1 VIRCLIA® IgG MONOTEST
- VCM068** PARAINFLUENZA 2 VIRCLIA® IgG MONOTEST
- VCM071** PARAINFLUENZA 3 VIRCLIA® IgG MONOTEST
- VCM077** RESPIRATORY SYNCYTIAL VIRUS VIRCLIA® IgG MONOTEST



## VACCINE-PREVENTABLE INFECTIONS

- VCM006** DIPHTHERIA VIRCLIA® IgG MONOTEST (quant.)
- VCM054** MEASLES VIRCLIA® IgG MONOTEST
- VCM057** MEASLES VIRCLIA® IgM MONOTEST
- VCM060** MUMPS VIRCLIA® IgG MONOTEST
- VCM061** MUMPS VIRCLIA® IgM MONOTEST
- VCM004** TETANUS VIRCLIA® IgG MONOTEST (quant.)
- VCM089** VARICELLA-ZOSTER VIRCLIA® IgG MONOTEST
- VCM091** VARICELLA-ZOSTER VIRCLIA® IgM MONOTEST



## VECTOR-BORNE INFECTIONS

- VCM009** BORRELIA VIRCLIA® IgG MONOTEST
- VCM010** BORRELIA VIRCLIA® IgM MONOTEST
- VCM008** CHAGAS VIRCLIA® IgG+IgM MONOTEST
- VCM059** CHIKUNGUNYA VIRCLIA® IgG MONOTEST
- VCM063** CHIKUNGUNYA VIRCLIA® IgM MONOTEST
- VCM023** DENGUE VIRCLIA® IgG MONOTEST
- VCM024** DENGUE VIRCLIA® IgM MONOTEST (capture)
- VCM053** LEISHMANIA VIRCLIA® IgG+IgM MONOTEST
- VCM080** RICKETTSIA CONORII VIRCLIA® IgG MONOTEST
- VCM082** RICKETTSIA CONORII VIRCLIA® IgM MONOTEST
- VCM069** ROSS RIVER VIRUS VIRCLIA® IgG MONOTEST
- VCM070** ROSS RIVER VIRUS VIRCLIA® IgM MONOTEST
- VCM047** TICK-BORNE ENCEPHALITIS VIRCLIA® IgG MONOTEST
- VCM048** TICK-BORNE ENCEPHALITIS VIRCLIA® IgM MONOTEST
- VCM078** WEST NILE VIRUS VIRCLIA® IgG MONOTEST\*
- VCM079** WEST NILE VIRUS VIRCLIA® IgM MONOTEST\*
- VCM033** ZIKA VIRCLIA® IgG MONOTEST
- VCM035** ZIKA VIRCLIA® IgM MONOTEST



## FUNGAL INFECTIONS

- VCM073** ASPERGILLUS GALACTOMANNAN Ag VIRCLIA® MONOTEST\*
- VCM094** INVASIVE CANDIDIASIS (CAGTA) VIRCLIA® IgG MONOTEST



## SEXUALLY TRANSMITTED INFECTIONS

- VCM012** CHLAMYDIA TRACHOMATIS VIRCLIA® IgA MONOTEST
- VCM013** CHLAMYDIA TRACHOMATIS VIRCLIA® IgG MONOTEST
- VCM015** CHLAMYDIA TRACHOMATIS VIRCLIA® IgM MONOTEST
- VCM085** SYPHILIS VIRCLIA® IgG MONOTEST
- VCM086** SYPHILIS VIRCLIA® IgG+IgM MONOTEST
- VCM032** SYPHILIS VIRCLIA® IgM MONOTEST



## TORCH INFECTIONS

- VCM038** CYTOMEGALOVIRUS VIRCLIA® IgG AVIDITY MONOTEST
- VCM021** CYTOMEGALOVIRUS VIRCLIA® IgG MONOTEST
- VCM022** CYTOMEGALOVIRUS VIRCLIA® IgM MONOTEST (capture)
- VCM031** HERPES SIMPLEX 1 VIRCLIA® IgG MONOTEST
- VCM039** HERPES SIMPLEX 1 VIRCLIA® IgM MONOTEST
- VCM034** HERPES SIMPLEX 1+2 VIRCLIA® IgG MONOTEST
- VCM036** HERPES SIMPLEX 1+2 VIRCLIA® IgM MONOTEST
- VCM037** HERPES SIMPLEX 2 VIRCLIA® IgG MONOTEST
- VCM041** HERPES SIMPLEX 2 VIRCLIA® IgM MONOTEST
- VCM083** RUBELLA VIRCLIA® IgG MONOTEST
- VCM084** RUBELLA VIRCLIA® IgM MONOTEST (capture)
- VCM025** TOXOPLASMA VIRCLIA® IgG AVIDITY MONOTEST
- VCM087** TOXOPLASMA VIRCLIA® IgG MONOTEST
- VCM088** TOXOPLASMA VIRCLIA® IgM MONOTEST (capture)



## ZOONOTIC INFECTIONS

- VCM046** BARTONELLA HENSELAE VIRCLIA® IgG MONOTEST
- VCM043** BARTONELLA HENSELAE VIRCLIA® IgM MONOTEST
- VCM005** BRUCELLA VIRCLIA® IgG MONOTEST
- VCM007** BRUCELLA VIRCLIA® IgM MONOTEST
- VCM040** HYDATIDOSIS VIRCLIA® IgG MONOTEST
- VCM011** TULAREMIA VIRCLIA® IgG+IgM



## OTHER INFECTIONS

- VCM026** EPSTEIN-BARR EBNA VIRCLIA® IgG MONOTEST
- VCM027** EPSTEIN-BARR VCA VIRCLIA® IgG MONOTEST
- VCM028** EPSTEIN-BARR VCA VIRCLIA® IgM MONOTEST
- VCM029** HELICOBACTER PYLORI VIRCLIA® IgA MONOTEST
- VCM030** HELICOBACTER PYLORI VIRCLIA® IgG MONOTEST
- VCM066** HEPATITIS E VIRCLIA® IgG MONOTEST
- VCM067** HEPATITIS E VIRCLIA® IgM MONOTEST (capture)
- VCM003** HHV-6 VIRCLIA® IgG MONOTEST
- VCM072** HHV-6 VIRCLIA® IgM MONOTEST\*
- VCM001** INFECTIOUS MONONUCLEOSIS HETEROPHILE VIRCLIA® IgM MONOTEST
- VCM014** LEPTOSPIRA VIRCLIA® IgM MONOTEST
- VCM075** PARVOVIRUS VIRCLIA® IgG MONOTEST
- VCM076** PARVOVIRUS VIRCLIA® IgM MONOTEST (capture)

\* Available soon

**VirClia**<sup>®</sup>  
monotest

## VirClia<sup>®</sup> Monotest

The first fully automated, self-contained monotest, multiparameter CLIA system



**vircell**  
MICROBIOLOGISTS

# VIRCLIA® THE TRUE MONOTEST CONCEPT

Unique, complete, transparent

## VIRCLIA®, THE MOST COMPLETE SOLUTION FOR ALL YOUR INFECTIOUS SEROLOGY

With more than 80 products available, VirClia® is the ideal technique to analyze high-volume parameters, as well as esoteric and low volume tests.

**CLIA automated technology:** Excellent sensitivity and turnaround time

**Monotest format:** All reagents are included and ready to use

**Extensive menu:** Widest panel for infectious serology

**Labour-saving:** Allows pipetting from primary sample tubes

**Cost effective:** No extra consumption of reagents required

**LIS Connectivity:** Host-Query, Data Retrieval, Levey-Jennings

## VIRCLIA® IMPROVES YOUR LABORATORY WORKFLOW

VirClia® represents an innovative solution that can help you optimize your workflows, while guaranteeing security and peace of mind in your results.

1 monotest = 1 Reportable test

Multiparameter = Allows to run any number of different parameters simultaneously

Quality control per strip = Every monotest includes a calibrator for internal validation

Results on the same day = No need to accumulate samples

In-house testing = Stop send away tests



## VIRCLIA® IMPROVES EFFICIENCY IN PATIENT CARE

A patient-centered solution leads to better quality care.

Response time optimization



Obtain results on the same day



More laboratory testing required



Better patient care

# AUTOMATED SOLUTIONS

Adapted to your needs



## VIRCLIA® LOTUS SYSTEM

Cat. No. VCLTS-CL

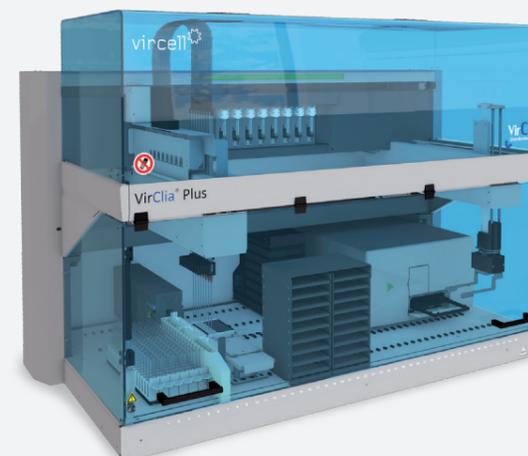
- Method: Chemiluminescence immunoassay
- Operation mode: Random access with continuous loading
- Strip loading capacity: 39 in loading rotor and 40 in reaction rotor
- Speed: First results in 1 h, 40 tests in 1 h 25 min, 80 tests in 2 h 30 min
- Sample tubes: Primary, 12, 13 and 16 mm diameter
- Built-in scanner: Positive identification of samples and strips
- Sample loading capacity: 50 Primary, 50 dilution tubes and 6 bottles of diluent
- Multiparameter: Full compatibility of all VirClia assays
- Dimensions: W 75 cm x D 74 cm x H 65 cm



## VIRCLIA® SYSTEM

Cat. No. TB00300-CL

- Method: EIA + CLIA Immunoassay
- Operation mode: Random access
- Strip loading capacity: 24 monotests
- Speed: 1 test in 50 min, 24 tests in 2 h
- Sample loading capacity: 192 primary sample tubes
- Intelligent racks: Automatic sample location management
- On-board camera: Probe-mounted camera allows remote troubleshooting
- Dimensions: W 64 cm x D 57 cm x H 45 cm



## VIRCLIA® PLUS SYSTEM

Cat. No. VCPLUS-CL

- Method: Chemiluminescence immunoassay
- Operation mode: Random access
- Strip loading capacity: 216 monotests
- Speed: 96 Tests in 3 h; 144 tests in 4 h 30 min
- Sample loading capacity: 6 Sample racks for 96 primary sample tubes
- 8-channel pipetting arm
- Incubator: 6 Slots
- Washable stainless tips
- Dimensions: W 145 cm x D 78 cm x H 112 cm

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4 reikalavimas

Testavimas pagal pareikalavimą, 1 tyrimas = 1 tyrimo atsakymas.

2 reikalavimas

*Bordetella pertussis* toksino IgG

*Chlamydomphila pneumoniae* IgA, IgG, IgM

*Mycoplasma pneumoniae* IgG, IgM

*Herpes simplex* 1+2 IgG, IgM

Erkinio encefalito IgG, IgM

7 reikalavimas

„VirClia® Lotus“ integruotas skaitytuvas užtikrina visišką mėginių ir juostelių atsekamumą, todėl išvengiama administracinių klaidų.

8 reikalavimas

Metodas - chemiluminescencinė imunologinė analizė (CLIA).

9 reikalavimas

Skubių mėginių tvarkymas - STAT funkcija.

10 reikalavimas

Daugiaparametrinis - visiškas suderinamumas su visais „VirClia®“ tyrimais.

3 reikalavimas

Mėginių įkrova - 50 pirminių mėgintuvėlių, 50 skiedimo mėgintuvėlių ir 6 buteliukai skiediklio.

Juostelių įkrova - 39 į įkėlimo rotorius ir 40 į reakcijos rotorius.

6 reikalavimas

Distiliuotas vanduo - 0,25 litro.

5 reikalavimas

Skystos atliekos - 5 litrai (vidinė talpykla) / 11 litrų (išorinė talpykla).