Your Key to
Vascular Access

Product Catalogue

GAMBRO®

Vascular Access

Product Overview

GamCath® Short-Term Catheters

General Features & Benefits

⊕ Split-free bifurcation reduces clotting.

⊕ Thermosensitive polyurethane assures rigidity during insertion and patient comfort.

⊕ Transparent luer-lock connectors are resistant against deformation and cracking.

Standard
Single Lumen

Ordering Information

Single Lumen Catheters

Product Name	Product Code	OD (F)	Length (mm)	Material	Details	Units per box
GSC-815J	100873	8	150	PUR	curved	10
GSC-815	113197	8	150	PUR	-	10
GSC-820	113196	8	200	PUR	-	10
GSC-825	101805	8	250	PUR	-	10

Single Lumen Catheter Kits

Product Name	Product Code	OD (F)	Length (mm)	Material	Details	Units per box
GSK-815	113195	8	150	PUR	-	5
GSK-817,5	113194	8	175	PUR	-	5
GSK-820	113193	8	200	PUR	-	5
GSK-825	100825	8	250	PUR	-	5
GSK-812,5J	101110	8	125	PUR	curved	5
GSK-815J	101806	8	150	PUR	curved	5
GSK-820J	100824	8	200	PUR	curved	5
GSK-815Y	113192	8	150	PUR	Y-adapter	5
GSK-820Y	113191	8	200	PUR	Y-adapter	5

Kit contains: catheter, introducer needle GPN-177, calibrated guidewire GGW-3870J, luer-lock injection cap GIC-100, wound dressing◊

Hemofiltration Catheter Kit

Product Name	Product Code	OD (F)	Length (mm)	Material	Details	Units per box
GHK-1011	100806	10	110	PUR	-	5

Kit contains: catheter, introducer needle GPN-177, calibrated guidewire GGW-3870J, luer-lock injection cap GIC-100, wound dressing◊, 1 venous and 1 arterial marker clamp◊

◊ Not available as GamCath® Accessory.

GamCath® Short-Term Catheters

General Features & Benefits

⊕ Split-free bifurcation reduces clotting.

⊕ Thermosensitive polyurethane assures rigidity during insertion and patient comfort.

⊕ Transparent luer-lock connectors are resistant against deformation and cracking.

Standard
Double Lumen

Blood Flow Rate

—— GamCath® Double Lumen Catheter
12F x 150 mm
—— GamCath® Double Lumen Catheter
12F x 200 mm

Method: in vitro testing
Pump system: double roll hose pump
Fluid: bovine blood
Protein: 60 ± 5 g/l
Haematocrit value: 32 ± 2%
Temperature: 37 ± 2 ^{0}C

Ordering Information

Double Lumen Catheters

Product Name	Product Code	OD (F)	Length (mm)	Material	Details	Units per box
GDC-1115	101797	11	150	PUR	-	5
GDC-1117,5	101242	11	175	PUR	-	5
GDC-1120	101799	11	200	PUR	-	5
GDC-1125	101800	11	250	PUR	-	5
GDC-1112,5J	101028	11	125	PUR	curved	5
GDC-1115J	101798	11	150	PUR	curved	5
GDC-1120J	101295	11	200	PUR	curved	5

Unit contains: vessel dilator GVD-1115

Double Lumen Catheter Kits

Product Name	Product Code	OD (F)	Length (mm)	Material	Details	Units per box
GDK-1115	101801	11	150	PUR	-	5
GDK-1117,5	103241	11	175	PUR	-	5
GDK-1120	101802	11	200	PUR	-	5
GDK-1125	101511	11	250	PUR	-	5
GDK-1112,5J	101169	11	125	PUR	curved	5
GDK-1115J	101509	11	150	PUR	curved	5
GDK-1117,5J	101379	11	175	PUR	curved	5
GDK-1120J	101510	11	200	PUR	curved	5
GDK-1215	100842	12	150	PUR	-	5
GDK-1220	101803	12	200	PUR	-	5

Kit contains: catheter, introducer needle GPN-177, calibrated guidewire GGW-3870J, 2 x luer-lock injection cap GIC-100, vessel dilator GVD-1115 for 11F, vessel dilator 12F x 150 mm for 12F◊, wound dressing◊

◊ Not available as GamCath® Accessory.

GamCath® Short-Term Catheters

General Features & Benefits

⊕ Split-free bifurcation reduces clotting.

⊕ Thermosensitive polyurethane assures rigidity during insertion and patient comfort.

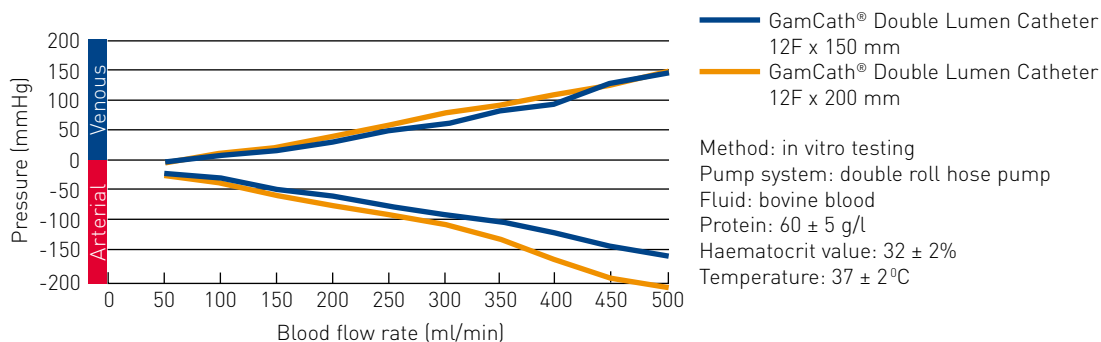⊕ Transparent luer-lock connectors are resistant against deformation and cracking.

Standard
Triple Lumen

Ordering Information

Triple Lumen Catheter Kits

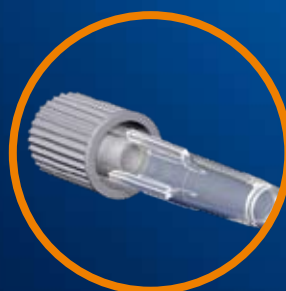| Product Name	Product Code	OD (F)	Length (mm)	Material	Details	Units per box
GTK-1215	101808	12	150	PUR	-	5
GTK-1217,5	103482	12	175	PUR	-	5
GTK-1220	101809	12	200	PUR	-	5
GTK-1215J	101384	12	150	PUR	curved	5
GTK-1220J	101385	12	200	PUR	curved	5

Kit contains: catheter, introducer needle GPN-177, calibrated guidewire GGW-3870J, 3 x luer-lock injection cap GIC-100, vessel dilator 12F x 150 mm◊, wound dressing◊

◊ Not available as GamCath® Accessory.

GamCath® Short-Term Catheters

General Features & Benefits

⊕ Split-free bifurcation reduces clotting.

⊕ Thermosensitive polyurethane assures rigidity during insertion and patient comfort.

⊕ Transparent luer-lock connectors are resistant against deformation and cracking.

Standard
Paediatric Single / Double Lumen

Blood Flow Rate

GamCath® Double Lumen Catheter
6,5F x 100 mm

Method: in vitro testing
Pump system: double roll hose pump
Fluid: bovine blood
Protein: 60 ± 5 g/l
Haematocrit value: 32 ± 2%
Temperature: 37 ± 2^{0}C
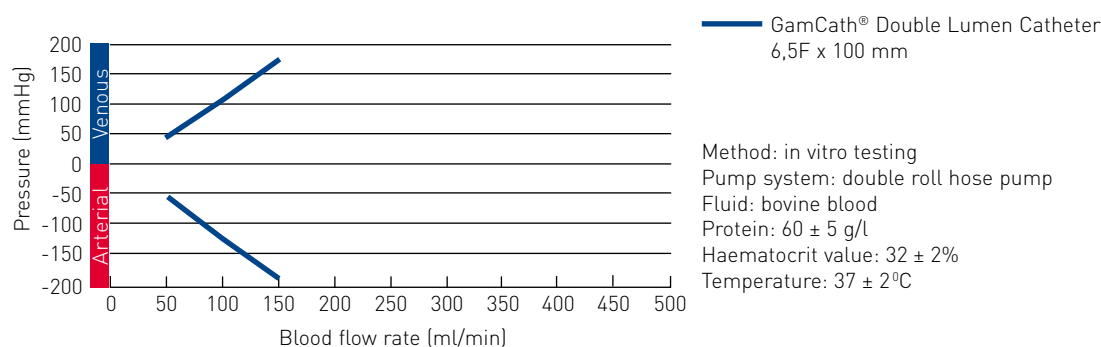
Ordering Information

Single Lumen Catheter Kit

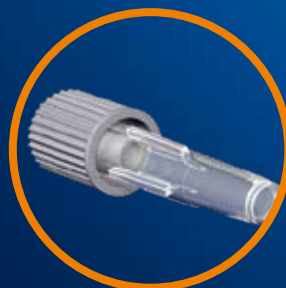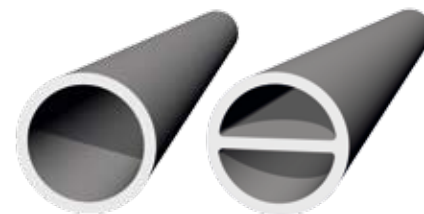| Product Name	Product Code	OD (F)	Length (mm)	Material	Units per box
GSK-606P	110644	6	60	PUR	5

Kit contains: catheter, introducer needle GPN-187, calibrated guidewire GGW-3250J, luer-lock injection cap GIC-100, vessel dilator 6F x 150 mm$^\diamond$, wound dressing$^\diamond$

Double Lumen Catheter Kits

Product Name	Product Code	OD (F)	Length (mm)	Material	Units per box
GDK-607,5P	101208	6,5	75	PUR	5
GDK-610P	100943	6,5	100	PUR	5
GDK-612,5P	100843	6,5	125	PUR	5
GDK-810P	101512	8	100	PUR	5
GDK-812,5P	101513	8	125	PUR	5
GDK-815P	100944	8	150	PUR	5

Kit contains: catheter, introducer needle GPN-187, calibrated guidewire GGW-3250J for 6,5F / GGW-3570J for 8F, 2 x luer-lock injection cap GIC-100, vessel dilator 7F x 150 mm for 6,5F$^\diamond$ / vessel dilator GVD-815 for 8F, wound dressing$^\diamond$

$^\diamond$ Not available as GamCath® Accessory.

GamCath® Short-Term Catheters

Additional Features & Benefits

In addition to the general Features & Benefits of the GamCath series, the HighFlow series offers:

⊕ Flow-optimized lumen design permits best flow rates at low arterial pressure.

⊕ Catheter tip design without side holes reduces clotting risk and prevents catheter suctioning to the vessel intima.

HighFlow
Double Lumen
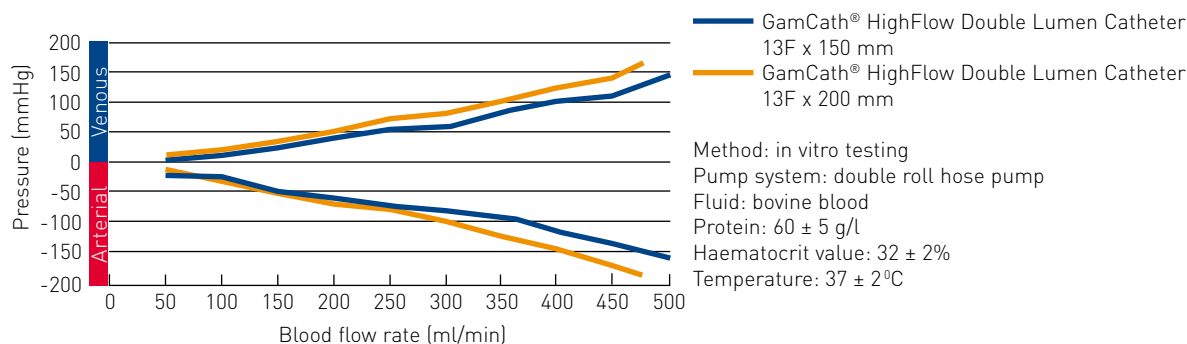
Blood Flow Rate

GamCath® HighFlow Double Lumen Catheter 13F x 150 mm
GamCath® HighFlow Double Lumen Catheter 13F x 200 mm

Method: in vitro testing
Pump system: double roll hose pump
Fluid: bovine blood
Protein: 60 ± 5 g/l
Haematocrit value: 32 ± 2%
Temperature: 37 ± 2 ^{0}C

Ordering Information

HighFlow Double Lumen Catheter Kits

Product Name	Product Code	OD (F)	Length (mm)	Material	Details	Units per box
GDHK-1115	109711	11,5	150	PUR	-	5
GDHK-1120	109712	11,5	200	PUR	-	5
GDHK-1125	109713	11,5	250	PUR	-	5
GDHK-1115J	112572	11,5	150	PUR	curved	5
GDHK-1120J	112573	11,5	200	PUR	curved	5
GDHK-1315	103358	13	150	PUR	-	5
GDHK-1317,5	103357	13	175	PUR	-	5
GDHK-1320	103356	13	200	PUR	-	5
GDHK-1325	106661	13	250	PUR	-	5
GDHK-1315J	109535	13	150	PUR	curved	5
GDHK-1320J	109511	13	200	PUR	curved	5

Kit contains: catheter with inner dilator, introducer needle GPN-177, calibrated guidewire GGW-3270J for 11F / GGW-3870J for 13F, 2 x luer-lock injection cap GIC-100, vessel dilator 12F x 150 mm for 11F◊ / vessel dilator 13F x 150 mm for 13F◊, wound dressing◊

◊ Not available as GamCath® Accessory.

GamCath® Short-Term Catheters

Additional Features & Benefits

In addition to the general Features & Benefits of the GamCath and HighFlow series, the Dolphin and Dolphin Protect series offers:

⊕ **Dolphin Coating**
The natural microdomain surface minimizes interaction between plasma proteins and cells, deposits are reduced and bacterial inhibition is decreased.

⊕ **Dolphin Protect Coating**
The smooth surface and the Bi*-Additive reduce bacterial inhibition, thus Dolphin Protect is the first mode of action which ensures active antibacterial protection without releasing substances (e.g. antibiotics).

Dolphin® / Dolphin® Protect
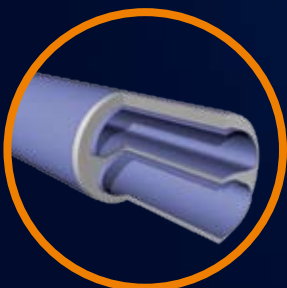
HighFlow
Double Lumen with Dolphin® / Dolphin® Protect Coating

Blood Flow Rate

— GamCath® HighFlow Double Lumen Catheter with Dolphin® Coating 13F x 150 mm
— GamCath® HighFlow Double Lumen Catheter with Dolphin® Protect Coating 13F x 200 mm

Method: in vitro testing
Pump system: double roll hose pump
Fluid: bovine blood
Protein: 60 ± 5 g/l
Haematocrit value: 32 ± 2%
Temperature: 37 ± 2 °C

Ordering Information

HighFlow Double Lumen Catheter Kits with Dolphin Coating

Product Name	Product Code	OD (F)	Length (mm)	Material	Details	Units per box
MS-GDHK-1315	103520	13	150	PUR-PDMS Copolymerfilm	-	5
MS-GDHK-1317,5	103521	13	175	PUR-PDMS Copolymerfilm	-	5
MS-GDHK-1320	103522	13	200	PUR-PDMS Copolymerfilm	-	5
MS-GDHK-1325	106662	13	250	PUR-PDMS Copolymerfilm	-	5

Kit contains: catheter with inner dilator, introducer needle GPN-177, calibrated guidewire GGW-3870J, 2 x luer-lock injection cap GIC-100, vessel dilator 13F x 150 mm◊, wound dressing◊

HighFlow Double Lumen Catheter Kits with Dolphin Protect Coating

Product Name	Product Code	OD (F)	Length (mm)	Material	Details	Units per box
MC-GDHK-1115	109708	11,5	150	PUR-PDMS-PCL/Bi Copolymerfilm	-	5
MC-GDHK-1120	109709	11,5	200	PUR-PDMS-PCL/Bi Copolymerfilm	-	5
MC-GDHK-1125	109710	11,5	250	PUR-PDMS-PCL/Bi Copolymerfilm	-	5
MC-GDHK-1115J	109683	11,5	150	PUR-PDMS-PCL/Bi Copolymerfilm	curved	5
MC-GDHK-1120J	109682	11,5	200	PUR-PDMS-PCL/Bi Copolymerfilm	curved	5
MC-GDHK-1315	109585	13	150	PUR-PDMS-PCL/Bi Copolymerfilm	-	5
MC-GDHK-1320	109584	13	200	PUR-PDMS-PCL/Bi Copolymerfilm	-	5
MC-GDHK-1325	109705	13	250	PUR-PDMS-PCL/Bi Copolymerfilm	-	5
MC-GDHK-1315J	109706	13	150	PUR-PDMS-PCL/Bi Copolymerfilm	curved	5
MC-GDHK-1320J	109707	13	200	PUR-PDMS-PCL/Bi Copolymerfilm	curved	5

Kit contains: catheter with inner dilator, introducer needle GPN-177, calibrated guidewire GGW-3270J for 11F / GGW-3870J for 13F, 2 x luer-lock injection cap GIC-100, vessel dilator 12F x 150 mm for 11F◊ / vessel dilator 13F x 150 mm for 13F◊, wound dressing◊

◊ Not available as GamCath® Accessory.

GamCath® Long-Term Catheters

Features & Benefits

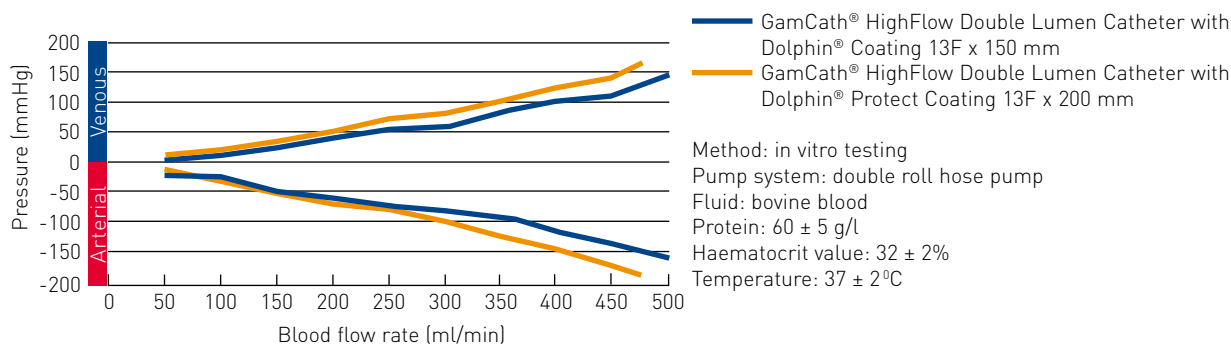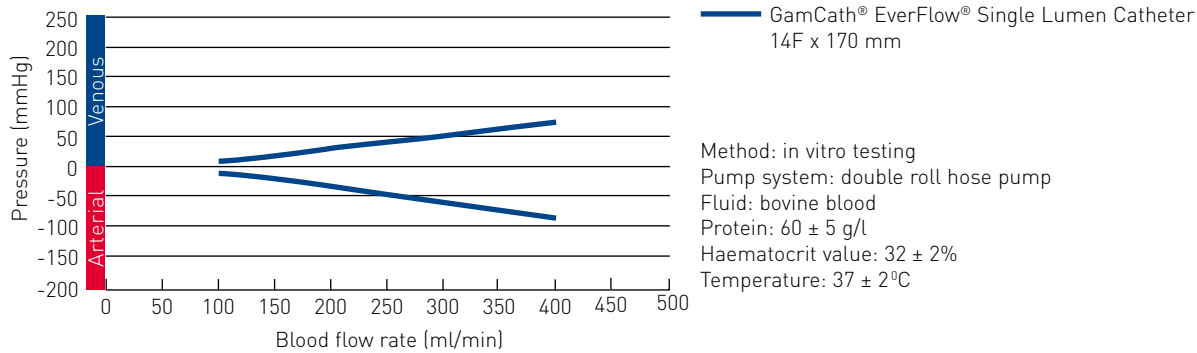⊕ Catheter tip design without side holes reduces clotting risk and prevents catheter suctioning to the vessel intima.

⊕ Advanced silicone improves the adaption to the vessel and minimizes vessel trauma.

⊕ Implantable cuff provides infection barrier and secures interal catheter anchorage.

Retrograde
EverFlow® Single Lumen

Blood Flow Rate

Pressure [mmHg] (Venous / Arterial) vs Blood flow rate (ml/min)

——— GamCath® EverFlow® Single Lumen Catheter 14F x 170 mm

Method: in vitro testing
Pump system: double roll hose pump
Fluid: bovine blood
Protein: 60 ± 5 g/l
Haematocrit value: 32 ± 2%
Temperature: 37 ± 2^{0}C

Ordering Information

EverFlow Single Lumen Catheters

Product Name	Product Code	OD (F)	Implant Length (mm)	Body Length (mm)	Material	Units per box
GSSC-1417	109974	14,4	170	220	Silicone	5
GSSC-1426	109973	14,4	260	300	Silicone	5

Unit contains: catheter, luer-lock injection cap GIC-100, suture ring◊, volume calculator◊

EverFlow Single Lumen Catheter Kits

Product Name	Product Code	OD (F)	Implant Length (mm)	Body Length (mm)	Material	Units per box
GSSK-1417	109972	14,4	170	220	Silicone	5
GSSK-1426	109971	14,4	260	300	Silicone	5

Kit contains: catheter, introducer needle GPN-177, calibrated guidewire GGW-3870J, luer-lock injection cap GIC-100, 2 x replacement connector◊, suture ring◊, tunnelling trocar◊, vessel dilator 13F x 150mm◊, split sheath dilator system 16F x 150mm◊, wound dressing◊, volume calculator◊

◊ Not available as GamCath® Accessory.

Spire Long-Term Catheters

Features & Benefits

⊕ Kink resistant design increases placement flexibility and minimizes complications.

⊕ Hubless design without extra-added tips.

⊕ Split-tip design and circumferential side holes increase the margin of functionality.

⊕ Long proximal pigtails allow customized length.

Retrograde
Pourchez RetrO™

Blood Flow Rate

Pourchez RetrO™ RS23SH28

Pump system: peristaltic pump
Fluid: water
Temperature: room temperature
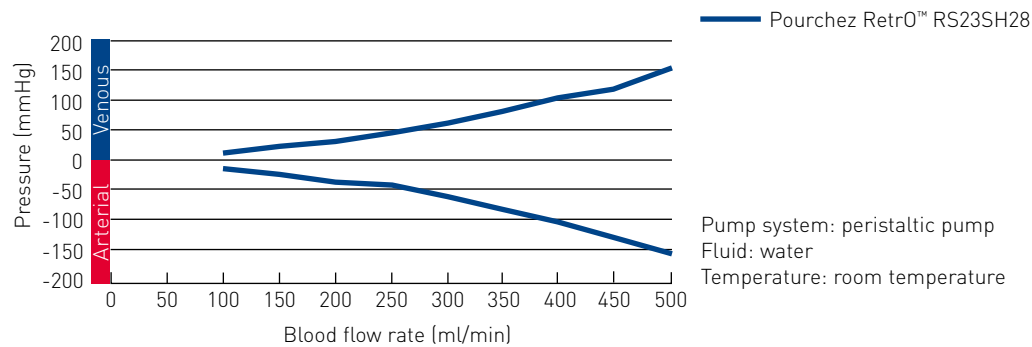
Ordering Information

Pourchez RetrO Combo Kits

Product Name	Product Code	OD (F)	Implant Length (mm)	Body Length (mm)	Material	Units per box
RS19SH24	109735	10 x 20	190	240	Silicone	5
RS23SH28	109744	10 x 20	230	280	Silicone	5
RS27SH32	109743	10 x 20	270	320	Silicone	5
RS31SH36	109742	10 x 20	310	360	Silicone	5
RS35SH40	109741	10 x 20	350	400	Silicone	5

Kit contains: Pourchez RetrO catheter, 18G introducer needle, 12 ml syringe, 2 x J / straight 0,038˝ guidewire, 12F dilator, 14F dilator, 16F dilator, 6F sheath / dilator, 2 x 5F SafeTrac intracatheter dilator, scalpel #11, tunnelling rod, tunnelling sheath, 2 x injection adapter / tunneller, suture ring, 4 x gauze sponge, wound dressing, 2 x injection sealing cap (latex free), 2 x colour-coded extension adapter, 4 x flat clamp and warning label (latex free)

Pourchez RetrO Repair Kit

Product Name	Product Code	Units per box
PRRK5	107038	5

Kit contains: 2 x colour-coded extension adapter, 2 x flat clamp, 2 x injection sealing cap (latex free)

GamCath® Long-Term Catheters

Features & Benefits

⊕ Flow-optimized lumen design permits best flow rates at low arterial pressure.

⊕ Catheter tip design without side holes reduces clotting risk and prevents catheter suctioning to the vessel intima.

⊕ Advanced silicone improves the adaption to the vessel and minimizes vessel trauma.

⊕ Implantable cuff provides infection barrier and secures interal catheter anchorage.

Anterograde
EverFlow® Double Lumen

Blood Flow Rate

—— GamCath® EverFlow® Double Lumen Catheter
15F x 250 mm

Method: in vitro testing
Pump system: double roll hose pump
Fluid: bovine blood
Protein: 60 ± 5 g/l
Haematocrit value: 32 ± 2%
Temperature: 37 ± 2⁰C
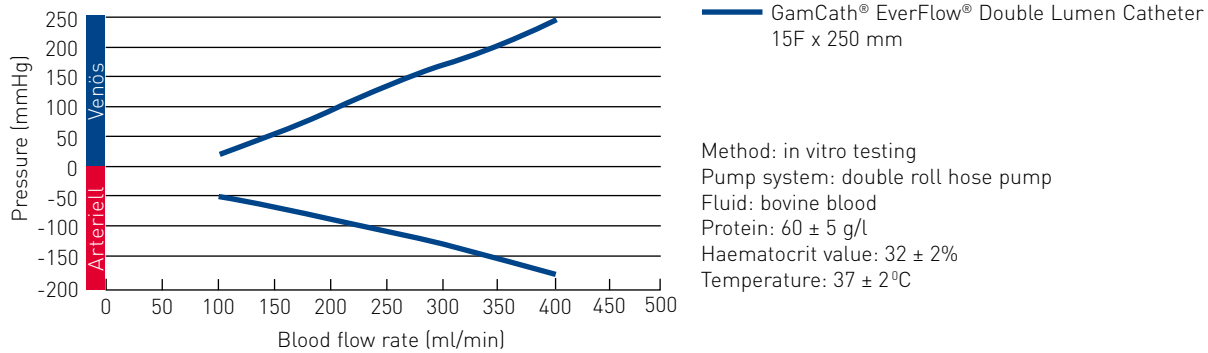
Ordering Information

EverFlow Double Lumen Catheter Kits

Product Name	Product Code	OD (F)	Implant Length (mm)	Body Length (mm)	Material	Units per box
GDSK-1517	109324	15	170	240	Silicone	5
GDSK-1521	109323	15	210	280	Silicone	5
GDSK-1525	109327	15	250	320	Silicone	5
GDSK-1529	109326	15	290	360	Silicone	5

Kit contains: catheter, introducer needle GPN-177, calibrated guidewire GGW-3870J, 2 x luer-lock injection cap GIC-100, suture ring◊, tunnelling trocar◊, vessel dilator 13F x 150mm◊, split sheath dilator system 16F x 150mm◊, wound dressing◊

◊ Not available as GamCath® Accessory.

Fistula Needles

General Features & Benefits

⊕ Rotating hub with colour-coded marks.

⊕ Metallic part of the needle carefully polished and coated using a new siliconization technique.

⊕ Oval Back-Eye on the arterial needle.

⊕ Specially designed sharp-edged atraumatic facet cut.

⊕ Large and ergonomic wing design.

Standard Needles
Plume S

Ordering Information

Arterial

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume S A 14 L15 G	100468	14	150	25	50
Plume S A 14 L30 G	101985	14	300	25	50
Plume S A 15 L15 G	101986	15	150	25	50
Plume S A 15 L30 G	101987	15	300	25	50
Plume S A 15 L50 G	100648	15	500	25	50
Plume S A 15 M15 G	101988	15	150	20	50
Plume S A 15 M30 G	101618	15	300	20	50
Plume S A 16 L15 G	101989	16	150	25	50
Plume S A 16 L30 G	101619	16	300	25	50
Plume S A 16 L50 G	107171	16	500	25	50
Plume S A 16 M15 G	101325	16	150	20	50
Plume S A 16 M30 G	101326	16	300	20	50
Plume S A 16 S15 G	103346	16	150	15	50
Plume S A 17 L15 G	101327	17	150	25	50
Plume S A 17 L30 G	101072	17	300	25	50
Plume S A 17 M15 G	101620	17	150	20	50
Plume S A 17 M30 G	101621	17	300	20	50
Plume S A 17 S15 G	103432	17	150	15	50

AV-Set

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume S AV 15 L15 G	101263	15	150	25	50
Plume S AV 15 M15 G	107654	15	150	20	50
Plume S AV 15 S15 G	109605	15	150	15	50
Plume S AV 16 L15 G	101990	16	150	25	50
Plume S AV 16 M15 G	101264	16	150	20	50
Plume S AV 16 S15 G	107652	16	150	15	50
Plume S AV 17 M15 G	106230	17	150	20	50

Fistula Needles

General Features & Benefits

⊕ Rotating hub with colour-coded marks.

⊕ Metallic part of the needle carefully polished and coated using a new siliconization technique.

⊕ Oval Back-Eye on the arterial needle.

⊕ Specially designed sharp-edged atraumatic facet cut.

⊕ Large and ergonomic wing design.

Standard Needles
Plume S

Ordering Information

Venous

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume S V 14 L15 G	106231	14	150	25	50
Plume S V 14 L30 G	101429	14	300	25	50
Plume S V 15 L15 G	101991	15	150	25	50
Plume S V 15 L30 G	101622	15	300	25	50
Plume S V 15 L50 G	101623	15	500	25	50
Plume S V 15 M15 G	101992	15	150	20	50
Plume S V 15 M30 G	101073	15	300	20	50
Plume S V 15 S15 G	107782	15	150	15	50
Plume S V 16 L15 G	101993	16	150	25	50
Plume S V 16 L30 G	101624	16	300	25	50
Plume S V 16 L50 G	107783	16	500	25	50
Plume S V 16 M15 G	101994	16	150	20	50
Plume S V 16 M30 G	100746	16	300	20	50
Plume S V 16 S15 G	106975	16	150	15	50
Plume S V 17 L15 G	102751	17	150	25	50
Plume S V 17 L30 G	100878	17	300	25	50
Plume S V 17 M15 G	101430	17	150	20	50
Plume S V 17 M30 G	101626	17	300	20	50
Plume S V 17 S15 G	106974	17	150	15	50

Single-Needle

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume S Y 15 L10 G	101995	15	100	25	50
Plume S Y 15 M10 G	100968	15	100	20	50
Plume S Y 15 S10 G	106976	15	100	15	50
Plume S Y 16 L10 G	101996	16	100	25	50
Plume S Y 16 M10 G	100399	16	100	20	50
Plume S Y 17 L10 G	100151	17	100	25	50
Plume S Y 17 M10 G	106233	17	100	20	50

Fistula Needles

Fistula Needles

Additional Features & Benefits

In addition to the general Features & Benefits of the Plume S series, the Plume SP series offers:

⊕ Easy unlocking system offers automatic protection while removing and disposing the needles and thus protection against needlestick injuries and infections.

Safety Needles
Plume SP

Ordering Information

Arterial

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume SP A 15 L15 G	106226	15	150	25	50
Plume SP A 15 L30 G	106227	15	300	25	50
Plume SP A 15 M30 G	109117	15	300	20	50
Plume SP A 16 L15 G	106228	16	150	25	50
Plume SP A 16 L30 G	106229	16	300	25	50
Plume SP A 16 M30 G	109115	16	300	20	50

Venous

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume SP V 15 L15 G	106234	15	150	25	50
Plume SP V 15 L30 G	106235	15	300	25	50
Plume SP V 15 M30 G	109118	15	300	20	50
Plume SP V 16 L15 G	106236	16	150	25	50
Plume SP V 16 L30 G	106237	16	300	25	50
Plume SP V 16 M30 G	109116	16	300	20	50

AV-Set

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume SP AV 15 M30 G	109752	15	300	20	50
Plume SP AV 16 M15 G	109114	16	150	20	50
Plume SP AV 17 M15 G	109113	17	150	20	50

Fistula Needles

Additional Features & Benefits

In addition to the general Features & Benefits of the Plume S and SP series, the Plume SP+ series offers:

⊕ Transparent protection sheath for easy identification of the intravascular position after puncture, even in case of a short blood column.

⊕ Shorter protection sheath for easy fixation with less movement reduces irritation at the puncture site.

⊕ Longer unlocking latch at ergonomic position for easy handling with gloves.

Safety Needles
Plume SP+

Ordering Information

Arterial

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume SP+ A 15 M30 G	112655	15	300	20	50
Plume SP+ A 16 M30 G	112656	16	300	20	50

Venous

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume SP+ V 15 M30 G	112614	15	300	20	50
Plume SP+ V 16 M30 G	112615	16	300	20	50

AV-Set

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Plume SP+ AV 15 M15 G	112963	15	150	20	50
Plume SP+ AV 16 M15 G	112964	16	150	20	50
Plume SP+ AV 17 M15 G	112965	17	150	20	50

Fistula Needles

Fistula Needles

Features & Benefits

⊕ Oval large Back-Eye avoids suctioning to the vessel intima.

⊕ Colour-coded bevel index for clear indication of needle position.

⊕ Premium luer-lock connector with wing for safe connection to the bloodline system.

Standard Needles
Nipro Fistula Needles

Ordering Information

Arterial

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Details	Units per box
Nipro F 14 AS G	101238	14	150	25	-	50
Nipro F 14 BS G	100803	14	300	25	-	50
Nipro F 15 AS G	101109	15	150	25	-	50
Nipro F 15 RAS G	106174	15	150	20	-	50
Nipro F 15 BS G	100767	15	300	25	-	50
Nipro F 15 LBS G	100941	15	300	30	-	50
Nipro F 16 AFS G	106177	16	150	25	Fixed Wings	50
Nipro F 16 AS G	101132	16	150	25	-	50
Nipro F 16 MAS G	106180	16	150	15	-	50
Nipro F 16 RAS G	104175	16	150	20	-	50
Nipro F 16 BFS G	102176	16	300	25	Fixed Wings	50
Nipro F 16 BS G	101240	16	300	25	-	50
Nipro F 17 AS G	101293	17	150	25	-	50
Nipro F 17 MAS G	106185	17	150	15	-	50
Nipro F 17 RAS G	106186	17	150	20	-	50
Nipro F 17 BFS G	102179	17	300	25	Fixed Wings	50
Nipro F 17 BS G	100959	17	300	25	-	50

Venous

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Details	Units per box
Nipro F 14 A G	101499	14	150	25	-	50
Nipro F 15 A G	101374	15	150	25	-	50
Nipro F 15 RA G	106173	15	150	20	-	50
Nipro F 15 B G	100506	15	300	25	-	50
Nipro F 15 BF G	106175	15	300	25	Fixed Wings	50
Nipro F 16 A G	101204	16	150	25	-	50
Nipro F 16 MA G	106178	16	150	15	-	50
Nipro F 16 RA G	106179	16	150	20	-	50
Nipro F 16 B G	101502	16	300	25	-	50
Nipro F 16 BF G	106181	16	300	25	Fixed Wings	50
Nipro F 17 A G	100740	17	150	25	-	50
Nipro F 17 RA G	106184	17	150	20	-	50
Nipro F 17 B G	100870	17	300	25	-	50

Fistula Needles

Features & Benefits

⊕ Colour-coded wings and packaging clearly indicating the gauge size.

⊕ Soft tubing with anti-kinking properties.

⊕ Excellent needle quality for smooth treatments.

Standard Needles
Nipro Fistula Needles

Ordering Information

Blunt

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Nipro Blunt F 14 BS G	112803	14	300	25	50
Nipro Blunt F 15 BS G	112804	15	300	25	50
Nipro Blunt F 16 BS G	112805	16	300	25	50
Nipro Blunt F 17 BS G	112806	17	300	25	50
Nipro Blunt F 15 RBS G	109530	15	300	20	50
Nipro Blunt F 16 RBS G	109538	16	300	20	50
Nipro Blunt F 17 RBS G	109537	17	300	20	50

Single-Needle

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Nipro SN F 14 AS G	106190	14	150	25	50
Nipro SN F 15 AS G	100997	15	150	25	50
Nipro SN F 16 AS G	101294	16	150	25	50

AV-Set

Product Name	Product Code	Needle OD (G)	Tube Length (mm)	Needle Length (mm)	Units per box
Nipro Set F 16 AS/A G	106203	16	150	25	25
Nipro Set F 16 RAS/A G	106204	16	150	20	25
Nipro Set F 17 RAS/A G	106205	17	150	20	25

Plaster

Features & Benefits

⊕ **Haemostasis in Extreme Situations**
Among anticoagulation or coagulation dysfunction persuades the precise haemostasis. Bland, constant pressure to the puncture site, fast wound healing.

⊕ **Blood Coagulation Support**
Alginate extracted from brown alga transforms when contacting with fluids in a gel, which supports body's own coagulation. Less secondary haemorrhage, rapid recovery.

⊕ **Eudermic**
Hypoallergenic wings are skin-sensitive and easy to detach. Even among cortisone therapy and with dry skin applicable.

TipStop Plaster

Ordering Information

TipStop Plaster

Product Name	Product Code	Dimensions (mm)	Units per box
TipStop Plaster	101997	100 x 28 x 18	96

Plaster

Plaster

Features & Benefits

⊕ Easy to apply.

⊕ Monitored wound compression ensures maximum safety.

⊕ Facile and painless removal.

⊕ Skin-friendly adhesive agent reduces skin irritation.

⊕ No need for a second dressing.
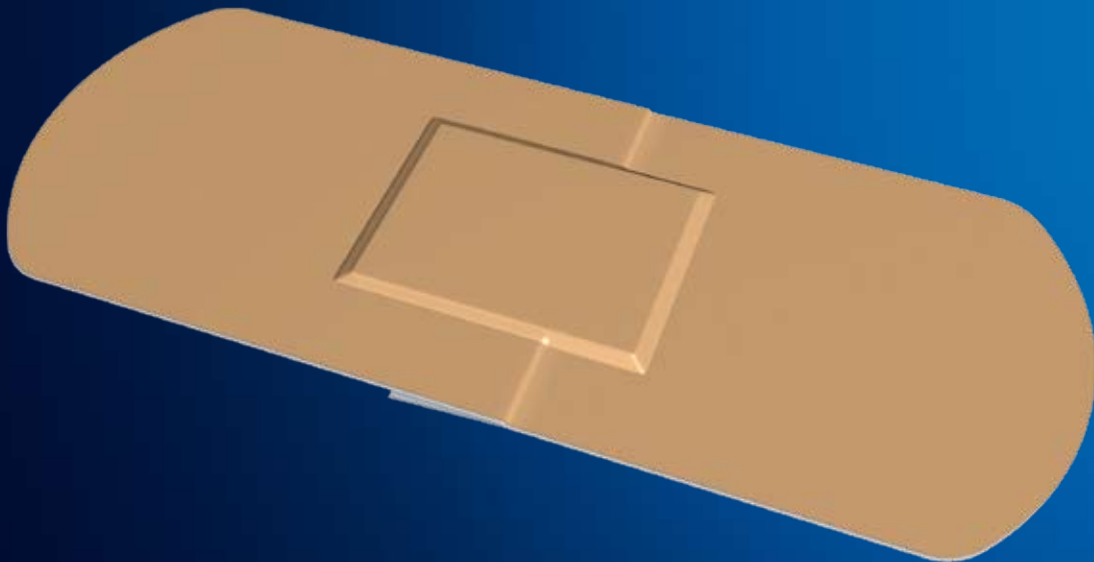
Gambro Plaster XL

Ordering Information

Gambro Plaster XL

Product Name	Product Code	Dimensions (mm)	Units per box
Gambro Plaster XL	101504	30 x 72 (Bandage) 15 x 20 (Sponge)	500

Plaster

GamCath® Accessories

Features & Benefits

⊕ Absolute dimensional accuracy

⊕ Maximum safety

⊕ Easy availability

Vessel Dilator / Introducer Needle / Calibrated Guidewire / Luer-Lock Injection Cap / Luer-Lock Protection Cap

Ordering Information

Accessories

Product Name	Product Code	OD (F/G/")	Length (mm)	Details	Units per box
GVD-815	101796	8	150	Vessel Dilator	15
GVD-1015	101508	10	150	Vessel Dilator	15
GVD-1115	100593	11	150	Vessel Dilator	15
GPN-177	101027	17	70	Introducer Needle	50
GPN-187	100899	18	70	Introducer Needle	50
GGW-3250J	103488	0,032	500	Calibrated Guidewire with „J"-tip	15
GGW-3570J	102943	0,035	700	Calibrated Guidewire with „J"-tip	15
GGW-3870J	101795	0,038	700	Calibrated Guidewire with „J"-tip	15
GIC-100	101507	-	-	Luer-Lock Injection Cap (Synthetic Isoprene)	100
E-10	106806	-	-	Luer-Lock Protection Cap	100

International Conversion Table

Gauge (G)	Millimeter (mm)	Inch (")
14	2,1	0,083
15	1,8	0,072
16	1,6	0,065
17	1,4	0,058
18	1,2	0,049

French (F)	Millimeter (mm)	Inch (")
6	1,99	0,08
6,5	2,15	0,09
8	2,65	0,11
10	3,31	0,13
11	3,64	0,15
11,5	3,81	0,15
12	3,98	0,16
13	4,31	0,17
14,4	4,77	0,19
15	4,97	0,20
20	6,63	0,27

Inch (")	Millimeter (mm)
0,032	0,81
0,035	0,89
0,038	0,97

GAMBRO®