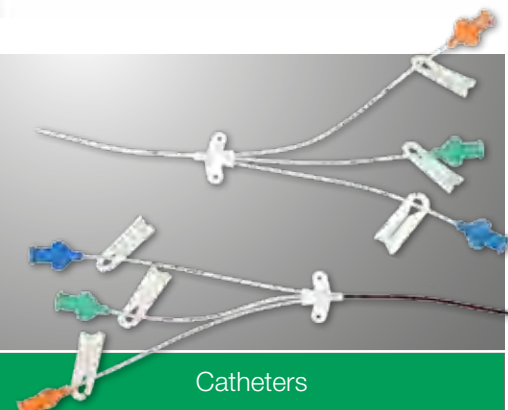




Multistar™ & Multicath Forward™

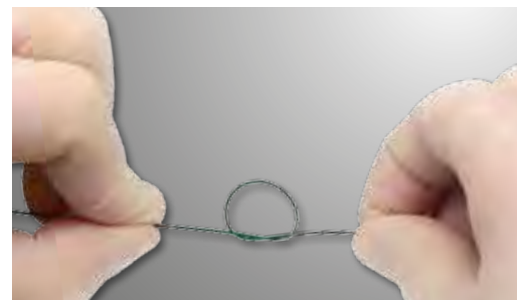
Paediatric triple lumen central venous catheters



Catheters



Custom pack's



Anti-kink nitinol guidewire

Multistar™ & Multicath Forward™

Paediatric triple lumen central venous catheters

Multistar is the next generation of paediatric central venous catheter incorporating the antimicrobials Rifampicin and Miconazole to reduce the incidence of both catheter microbial colonization and related bloodstream infections, giving enhanced performance and safety.

Features and Benefits

Antimicrobial incorporated Multistar catheter

clinically proven to reduce CRBSI and catheter colonisation⁽¹⁾

Modern polyurethane catheter

enhances stay time

Choice of guidewire in Multicath kits

for user preference

Two vessel dilator lengths

for added safety in insertion of the catheter

Miniaturised hubs

minimise dead space maximise comfort

Colour-coded hubs

for easy identification of infusions

Small, soft fixation wings

provide gentle and secure catheter fixation

Choice of catheter lengths

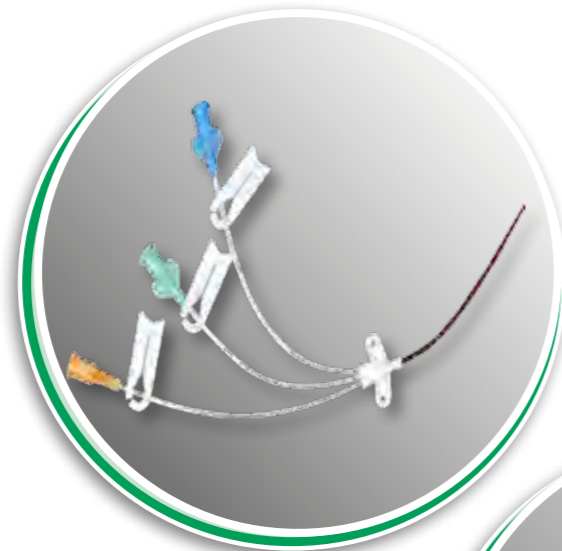
6, 8, 10 & 12.5cm - Multicath Forward

6, 12.5cm - Multistar

giving the clinician choice to suit the size of the child

X-ray opaque catheter

for confident tip placement



Multistar™



Multicath Forward™

Kit Contents

1 x Triple lumen PUR catheter XRO with soft fixation wings, distal lumen 20G, median lumen 24G, proximal lumen 24G	1 x Scalpel
1 x Introducer needle	1 x 5ml Luer-slip syringe
1 x Cannula	1 x 38mm Vessel dilator
1 x 'J' guidewire PTFE Nitinol	1 x 62mm Vessel dilator
1 x Straight guidewire Multicath only	3 x Injection membranes (latex-free)
	1 x Secondary fixation wing and anchor

Ordering Information

Vygon Code	NPC Code	Catheter Information	Fr	Length (cm)	Priming Volume (ml)			Flow Rate (ml/min)*			Guidewire Length (mm)	Introducer Needle Length (mm)	Cannula Introducer G	Unit of Sale		
					Dist.	Med.	Prox.	Dist.	Med.	Prox.						
Multistar																
6233.063	-	Multi-Lumen Antimicrobial Central Venous Catheter	4.5	6.0	0.20	0.13	0.17	11.5	4.5	6.5	400	0.46	40	21	22	10
6231.123	-	Multi-Lumen Antimicrobial Central Venous Catheter	4.5	12.5	0.22	0.15	0.18	10.0	3.0	4.0	400	0.46	40	21	22	10
Multicath Forward																
1233.061	FSU309	Multi-Lumen Polyurethane Central Venous Catheter	4.5	6.0	0.20	0.13	0.17	11.5	4.5	6.5	400	0.46	40	21	22	10
1233.081	FSU310	Multi-Lumen Polyurethane Central Venous Catheter	4.5	8.0	0.14	0.12	0.12	14.4	6.7	7.5	400	0.46	40	21	22	10
1233.101	FSU311	Multi-Lumen Polyurethane Central Venous Catheter	4.5	10.0	0.16	0.14	0.14	13.5	5.8	6.1	400	0.46	40	21	22	10
1231.121	FSU308	Multi-Lumen Polyurethane Central Venous Catheter	4.5	12.5	0.22	0.15	0.18	10.0	3.0	4.0	400	0.46	40	21	22	10

Multistar™

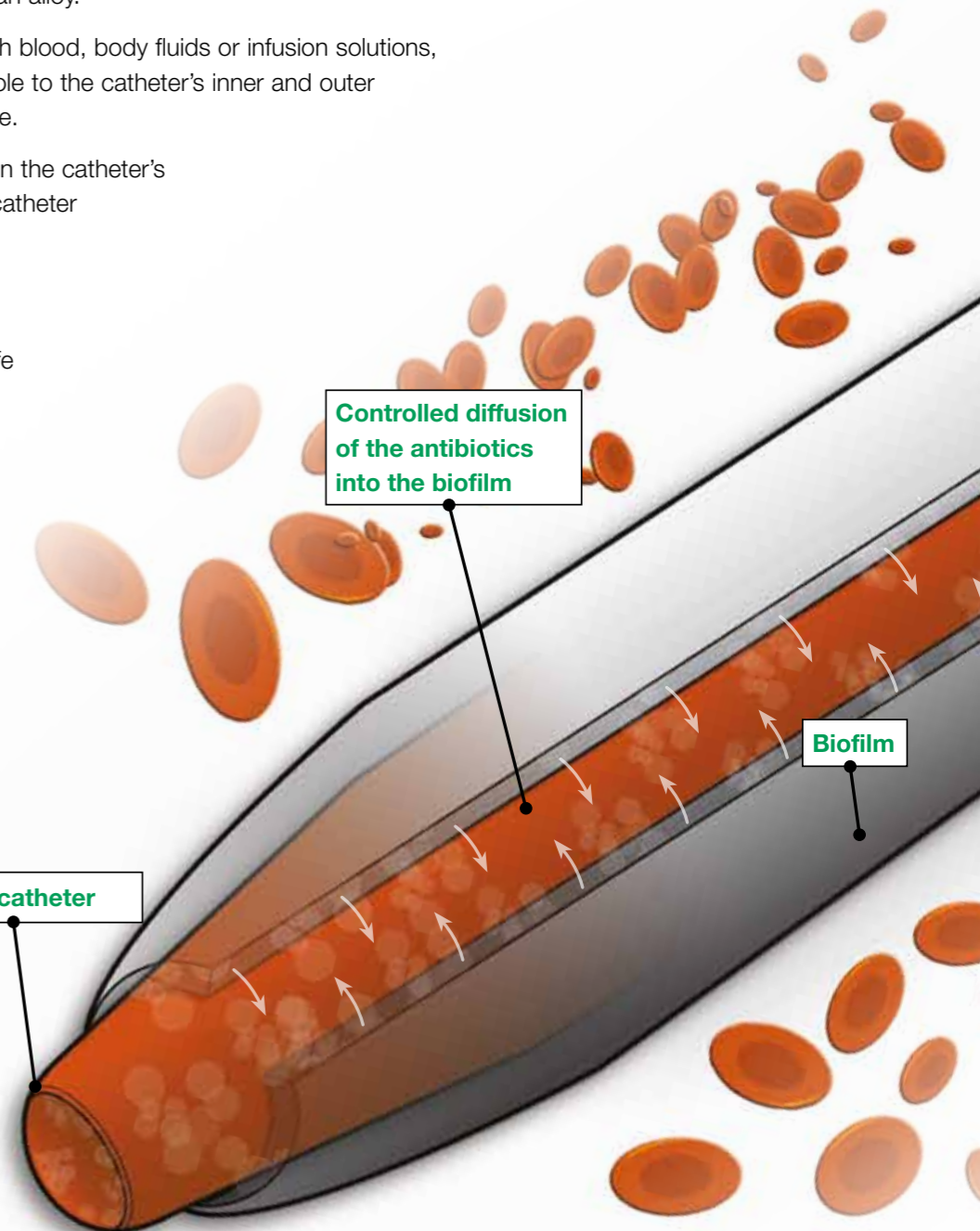
A breakthrough in antimicrobial technology

“The cost of C.V.C. associated bloodstream infections is substantial, both in terms of morbidity and in terms of financial resources expended. To improve patient outcome and reduce healthcare costs, strategies should be implemented to reduce the incidence of these infections.”⁽²⁾

A Prediction by Denis Maki

“Binding of a non-toxic antimicrobial drug to the catheter surface or incorporation of the substance into the catheter material itself may ultimately prove to be the most effective technological innovation for reducing the risk of device-related infections.”⁽³⁾

- The active ingredients used in Multistar are Rifampicin (a bactericidal antibiotic drug) and Miconazole (antifungal agent).
- Rifampicin and Miconazole are molecularly integrated into the polyurethane catheter material by using a patented multistep diffusion-controlled incorporation process. The active ingredients are entirely “dissolved” in the polymer like in an alloy.
- The catheter, when in contact with blood, body fluids or infusion solutions, releases Rifampicin and Miconazole to the catheter’s inner and outer surfaces at a slow and steady rate.
- Suppression of microbial growth in the catheter’s biofilm reduces the incidence of catheter associated infections.
- Due to the large reservoir in the catheter’s wall, Rifampicin and Miconazole are released for the life of the product (30 days).



Multistar™ catheter

Custom Pack Component Choice

Available products for you to create customised packs

Catheters				Qty
Multistar™ catheter (PUR)	code: 6233.063	60mm	4.5G	
Multistar™ catheter (PUR)	code: 6231.123	125mm	4.5G	
Multicath™ catheter (PUR)	code: 1233.061	60mm	4.5G	
Multicath™ catheter (PUR)	code: 1233.081	80mm	4.5G	
Multicath™ catheter (PUR)	code: 1233.101	100mm	4.5G	
Multicath™ catheter (PUR)	code: 1231.121	125mm	4.5G	

Syringes			Qty
Syringe 3ml	Luer-slip: <input type="checkbox"/>	Luer-lock: <input type="checkbox"/>	
Syringe 5ml	Luer-slip: <input type="checkbox"/>	Luer-lock: <input type="checkbox"/>	
Syringe 10ml	Luer-slip: <input type="checkbox"/>	Luer-lock: <input type="checkbox"/>	

Hypodermic Needles		Qty
Hypodermic needle - 21G x 1½"	Colour: <input type="checkbox"/>	
Hypodermic needle - 25G x ½"	Colour: <input type="checkbox"/>	
Other hypodermic needles (add size here)		

Swabs			Qty
Swabs - 7.5 x 7.5cm	Colour: <input type="checkbox"/>	Ply: 8 12	
Swabs - 10 x 10cm	Colour: <input type="checkbox"/>	Ply: 8 12	
Swabs ball - large - white - XRO			
Swabs ball - small - white - XRO			
Swabs - 10 x 10cm - 12ply - green - XRO			
Swabs - 10 x 10cm - 4ply - white - non-woven			

Ancillary Items		Qty
Hand towel - 30 x 40cm		
Gallipot		
Sponge stick 6"		
Mini scalpel N°.11		
Scalpel N°.11		
Scalpel N°.15		
Blue prep forceps (lockable)		
Green prep forceps (Bryant type)		
Bionector (add code here)		
Octopus (add code here)		
Transparent dressing (add size here)		
IV3000: <input type="checkbox"/>	Tegaderm: <input type="checkbox"/>	Dermafilm: <input type="checkbox"/>
Other: <input type="checkbox"/>		
Three-way stopcock		
Suture		
Metal suture forceps		
Yellow disposal bag		
Filter straw 4"		
Metal scissors		
Artery forceps	Curved: <input type="checkbox"/>	Straight: <input type="checkbox"/>
Other		

Drapes		Qty
Clear aperture drape - 40 x 40cm		
Peelable aperture drape - 80 x 100cm		
Other		

Gown		Qty
Examination gown		

Pack Ref:

I would like to receive a quotation for a pack containing the components indicated based on a volume of packs per annum.

Current Use:

Estimated Price: £

Name:

Designation:

Department:

Hospital:

Address:

Email:

Telephone: Ext:

Signature: Date:

Sales Executive:

PACK TO BE LABELLED:

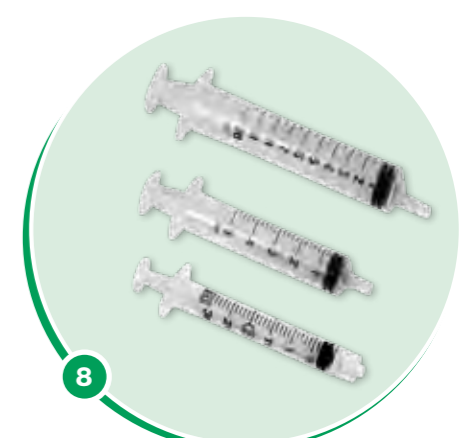
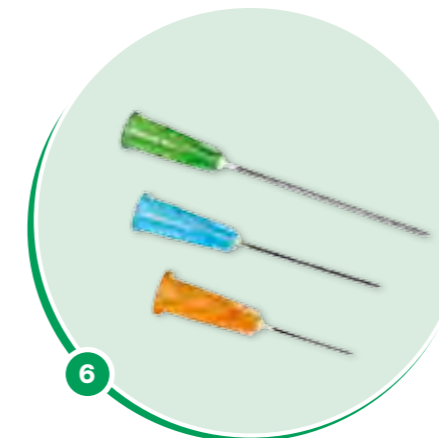
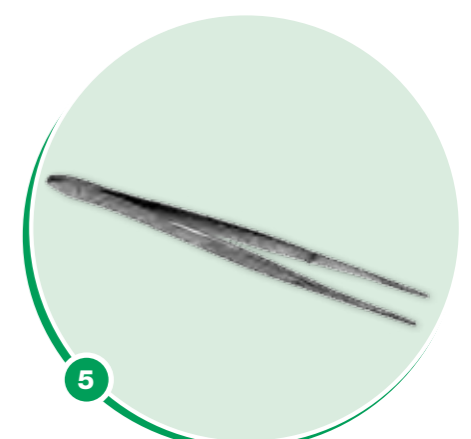
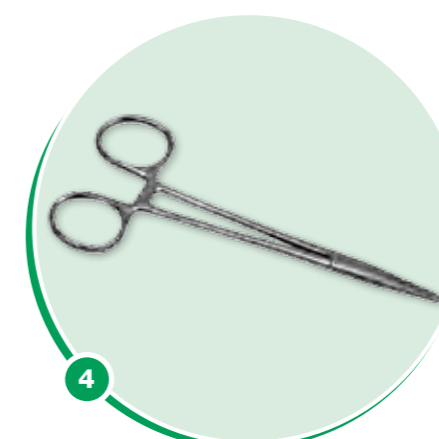
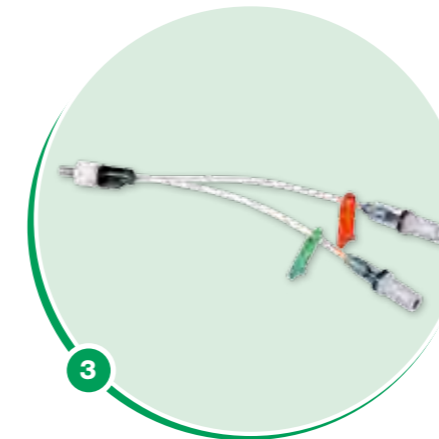
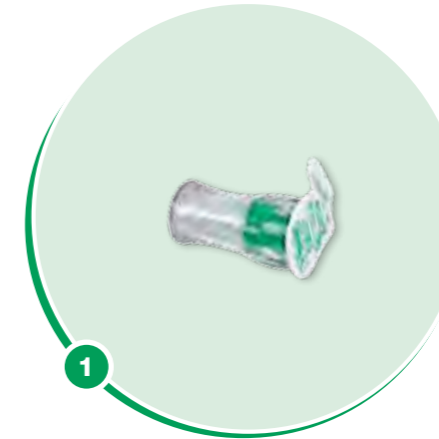
Should our quotation be successful, the first delivery of this pack would be approximately 12 weeks from receipt of your order.

Please return completed form to:
 Custom Pack Team
 Vygon (UK) Ltd, Bridge Road, Cirencester,
 Gloucestershire GL7 1PT.
 If you have any queries please contact the
 Custom Pack Team.
 Tel no: 01285 657051
 Email: custompacks@vygon.co.uk

Custom Pack Component Choice

Available components include:

1. Bionector
2. Sutures
3. Bionector Octopus
4. Suture forceps
5. Iris forceps
6. Hypodermic needles
7. Peelable aperture drape
8. Syringes



Please make your selection on the form overleaf and return to us.

References

1. **N. Yücel et al.** Reduced colonization and infection with miconazole-rifampicin modified central venous catheters; a randomized controlled clinical trial. *Journal of Antimicrobial Chemotherapy* 2004; **10**.
2. Guidelines for the prevention of intravasation catheter related infections. *MMWR* August 9 2002, **Vol 51/RR-10**.
3. **Maki et al.** An attachable silver-impregnated cuff for prevention of infection with central venous catheters: a prospective randomized multicenter trial. *American Journal of Medicine*; **85**: 307-14.

Vygon (UK) Ltd has supplied medical and surgical devices to healthcare professionals for over 30 years. During this time Vygon has built a reputation for high quality products and excellence in customer service helping you to offer best practice solutions to your patients.

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0009,NEO/CATH - Content correct as of 11/2010