



Value Life



Vascular Access
Chlorhexidine-Free Central Venous Catheters

Choose your catheter with
care and confidence

References

1. Medical Device Alert: Central venous and haemodialysis catheters manufactured by Arrow International (a division of Teleflex) (MDA/2012/048). Available on; <http://www.mhra.gov.uk/Publications/Safetywarnings/MedicalDeviceAlerts/CON174815> (Accessed on 21st March 2013)
2. Thirteen centimetre central venous catheters, lucky for all? W. C. Russell; J. L. Parker; W. C. Russell, Leicester Royal Infirmary, Leicester LE1 5WW, UK
3. Twelve and a half is luckier than thirteen? W. C. Russell, Consultant J. L. Parker Available on; <http://bj.a.oxfordjournals.org/content/96/3/335/reply> (Accessed on 21st March 2013)
4. Dr Jorg Schierholz PD (2011) Summary of the issues associated with catheter related blood stream infections with special consideration given to catheters incorporating Rifampicin and Miconazole
5. Journal of antimicrobial chemotherapy: Reduced colonisation and infection with miconazole-rifampicin modified central venous catheters: a randomised controlled clinical trial
6. Rump, A.F. Etal. (2003) Journal of Hospital Infection 53; 129-135 Pharmacokinetics of antimicrobial agents rifampicin and miconazole released from a loaded central venous catheter.

All references are available on request.



www.carbonbalancedpaper.com
CBP00035150904133932

ChloraPrep® is a registered Trade Mark of CareFusion Corporation.
Full prescribing information for ChloraPrep® can be found at www.carefusion.co.uk

For further information, please contact: vygon@vygon.co.uk

The specifications shown in this leaflet are for information only and are not, under any circumstances, of a contractual nature. This document is intended for use in the UK only.

Vygon (UK) Ltd • The Pierre Simonet Building • V Park • Gateway North
• Latham Road • Swindon • Wiltshire • SN25 4DL
Tel: 01793 748800 • Fax: 01793 748899 • Twitter: @vygonuk
Web: www.vygon.co.uk
Content correct 04//2013 Code: 0012.MULTI/EXP



www.vygon.co.uk

www.vygon.co.uk

vygon@vygon.co.uk

The complete central venous catheter range

Vygon offers a wide range of central venous catheters (CVCs) that provide safe and reliable vascular access. This range of catheters is intended for use in patients who require short-term acute IV therapy.

Clinicians can now choose from the following:

- ✓ A selection of catheter lengths 12.5cm - 20cm
- ✓ A selection of lumen configurations
- ✓ VYSET® custom packs
- ✓ New sharp safe products
- ✓ Antimicrobial technologies

With our complete range of high quality CVCs you can choose the right catheter for the right patient with care and confidence.

Choose your catheter with care

A recent medical device alert from the MHRA stated:

Medical Device Alert

MDA/2012/048

“

Risk of severe anaphylactic reaction if central venous or haemodialysis catheters including chlorhexidine or silver sulphadiazine are used in patients with an allergy to chlorhexidine, silver sulfadiazine and/or sulfa drugs.¹”

Choose your catheter with confidence

Vygon's complete range of high quality central venous and haemodialysis catheters are:

- ✓ Chlorhexidine-free
- ✓ Silver sulfadiazine-free
- ✓ Safety - bloodless system
- ✓ Optimum length of 12.5cm
- ✓ Increased access - quin lumen

Offering antimicrobial action, without doubt of anaphylaxis post catheter insertion

- ✓ Multicath Expert Agion technology
- ✓ Multistar+ Antibiotic incorporated

Contents

Multicath Expert & 12.5cm quin lumen catheter.....	4
Dualyse/Trilyse	5
Multistar+	6-7
Multicath Forward	8
Ordering Codes	9
VYSET® Custom Packs	10-11

Multicath Expert

Silver Ion Impregnated

Choose your catheter with confidence

The Multicath Expert range of acute CVCs uses a **chlorhexidine-free**, effective long lasting Agion silver ion release technology. This achieves broad antimicrobial protection against gram negative and gram positive bacteria and fungi.

Choose your catheter with care

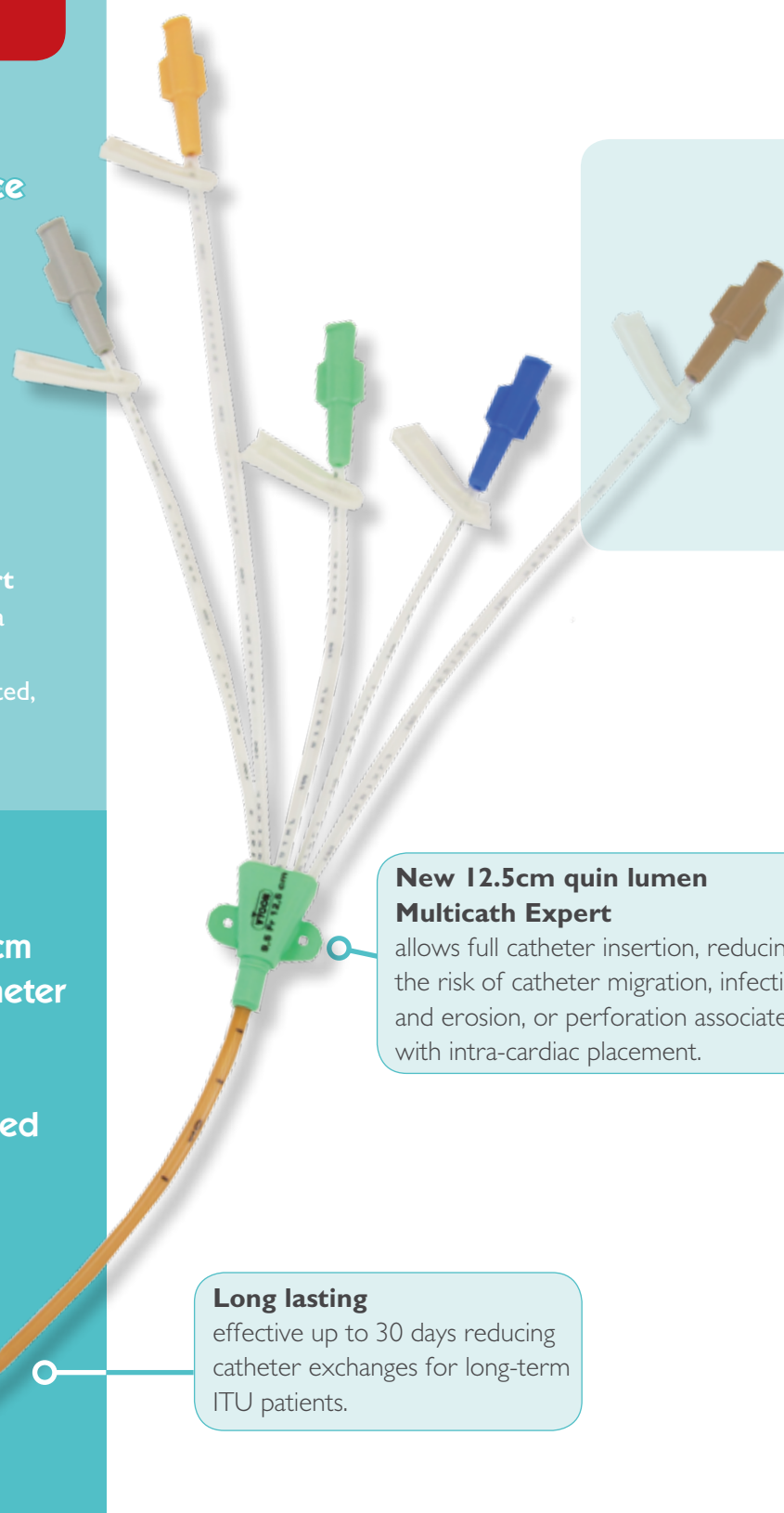
The new **12.5cm quin lumen Multicath Expert catheter** allows increased access through the extra lumen. In addition it can reduce the risk of catheter migration and infection as the catheter is fully inserted, and there is no need for a secondary fixation of the device.

It has been reported that placing right-sided CVCs to a maximum of 13cm virtually eliminates the risk of the catheter tip being intra-cardiac.²

For right-sided access, it was suggested by consultants at Leicester Royal Infirmary that a 12.5cm catheter should be used. Vygon has produced this catheter as a result of previous observations.³

Chlorhexidine-free

the low silver release doses are far below local toxicity levels. There have been no reported reactions to Agion technology.



New 12.5cm quin lumen Multicath Expert

allows full catheter insertion, reducing the risk of catheter migration, infection and erosion, or perforation associated with intra-cardiac placement.

Long lasting

effective up to 30 days reducing catheter exchanges for long-term ITU patients.

“Vygon provides us with an excellent product with the added benefit of a customised insertion pack, and we have had good experiences with the central catheters and packs. Vygon offers excellent customer service - particularly with regard to the development of the new 12.5cm 5 lumen lines, which we were keen to use and are now available.”

Consultant Anaesthetist, Victoria Hospital, Kirkcaldy, Fife

Rotating collar

allowing in situ catheter rotation, avoiding occlusion of proximal exit holes against vessel wall.

New extension clip

preventing extension sets from kinking, therefore maintaining continuous flow and avoiding occlusions within valuable haemodialysis filters.

Central Venous Catheters



Dualyse/Trilyse

Silver Ion Impregnated

Dualyse and Trilyse Expert are Vygon's double and triple lumen temporary dialysis catheters, offering the same Agion antimicrobial protection found in the Multicath Expert range.

Choose your catheter with care & confidence

Multistar+

Antibiotic Incorporated

Choose your catheter with care

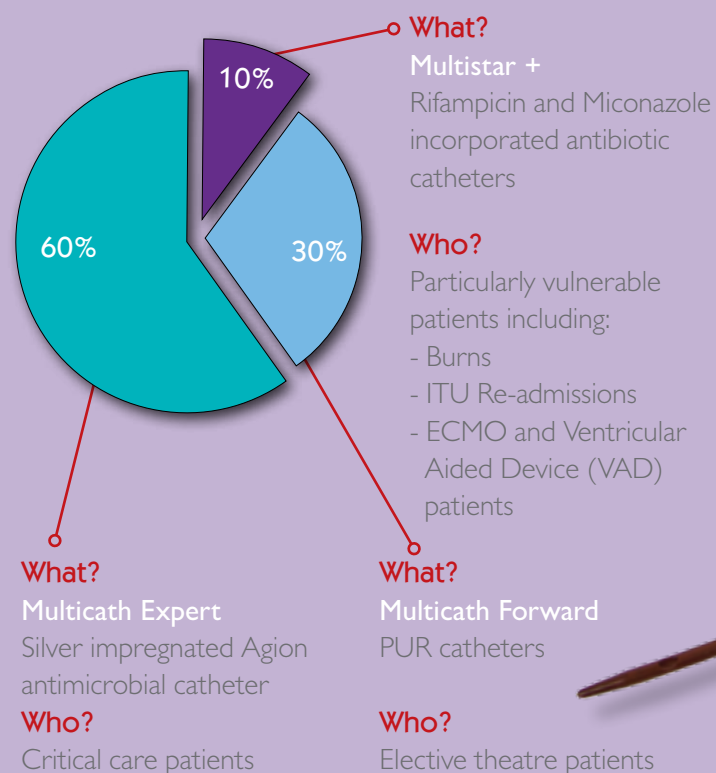
Multistar antibiotic incorporated, chlorhexidine-free CVCs are for your patient groups who are particularly vulnerable to catheter-related bloodstream infections.

The combination of Rifampicin and Miconazole leads to protection against a broad spectrum of microorganisms such as Staphylococci, Enterobacterial and Candida.⁴

Choose your catheter with confidence

A CVC that has been supersaturated with Rifampicin and Miconazole was associated with significantly lower risk for catheter colonisation and catheter related infections compared to standard catheters.⁵

Segmentation of patients requiring an acute CVC



Resistance?

Antibiotic resistance is unlikely, as a pharmacokinetic analysis conducted by Rump et al. concluded that the maximum systemic antibiotic concentration which can be caused by the catheter is 10% below the minimal inhibiting concentration, and so can build absolutely no resistance pressure.⁶

Watch the inventor of Multistar
Dr. Jörg Schierholz PD
explain how it works



Bloodless system connects to the puncture needle
provides maximum protection against blood loss and air embolism.



Multistar antibiotic technology releases Rifampicin and Miconazole on both inner and outer surfaces at a slow steady rate.



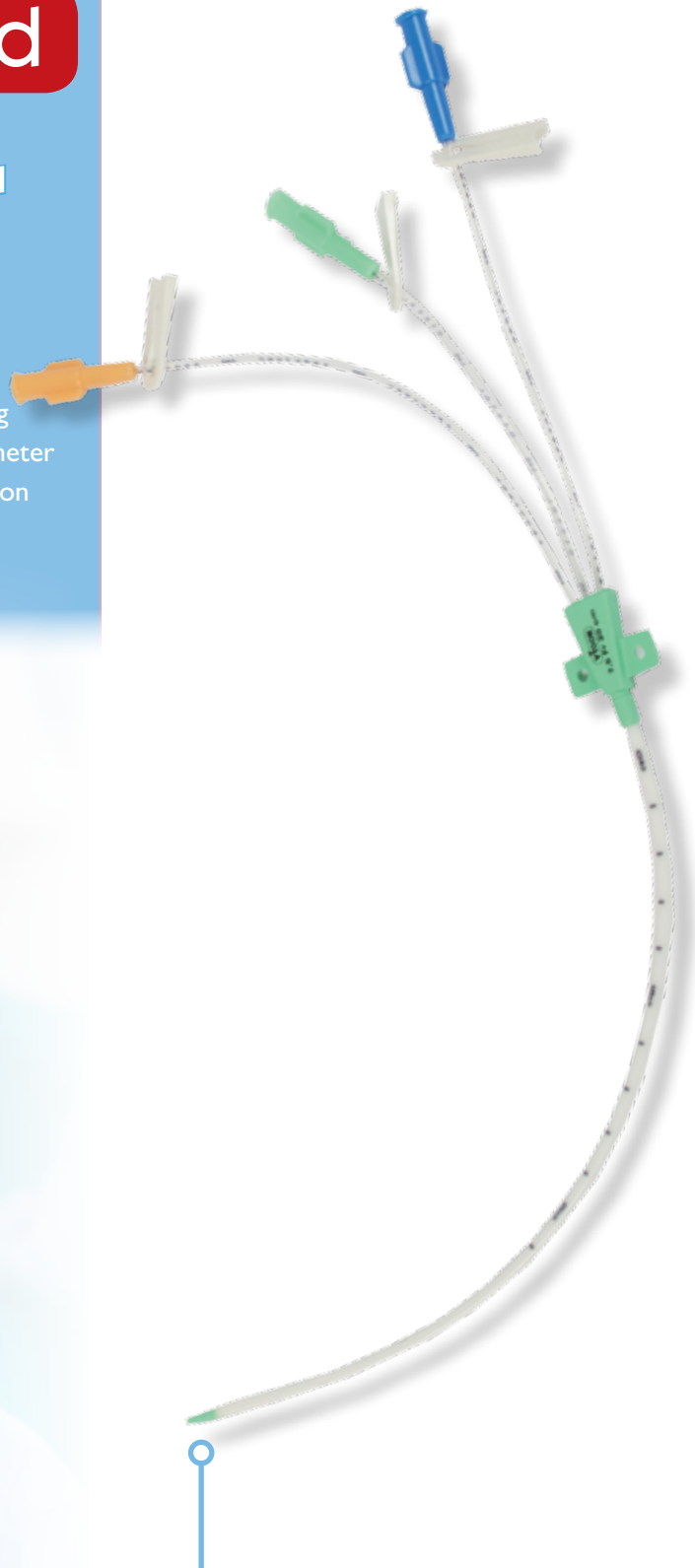
Anti-kink teflon coated guidewire

Choose your catheter with care & confidence

Multicath Forward

Choose your catheter with care and confidence

The Multicath Forward range of short-term acute CVCs offer the simplicity of a **high quality** polyurethane catheter for use in patients requiring central venous access. With a wide variety of catheter lengths and lumen configurations, there is a solution for every patient scenario.



New improved atraumatic tip
soft, flexible design allows smooth transition over the guidewire whilst reducing the potential for internal vessel trauma.

Ordering Codes

Central Venous Catheters

Multistart+																				
Vygon Code	NHSSC Code	No of Lumen	XRO Catheter (PUR)			Flow Rate (ml/min)					Priming Volume (ml)					Catheter Lumen Gauge				
			Length (cm)	Size (Fr)	OD (mm)	Dist	Med 1	Med 2	Med 3	Prox	Dist	Med 1	Med 2	Med 3	Prox	Dist	Med 1	Med 2	Med 3	Prox
6159.167	FSU469	5	16	9.5	3.15	57	84	15	16	18	0.43	0.57	0.36	0.36	0.40	16	14	18	18	18
6159.207	FSU470	5	20	9.5	3.15	55	80	15	12	17	0.44	0.59	0.38	0.36	0.41	16	14	18	18	18
6158.167	FSU467	4	16	8.5	2.85	61	100	17	-	22	0.38	0.49	0.29	-	0.33	16	14	18	-	18
6158.207	FSU468	4	20	8.5	2.85	56	100	15	-	14	0.41	0.59	0.33	-	0.38	16	14	18	-	18

Multicath Expert																				
Vygon Code	NHSSC Code	No of Lumen	XRO Catheter (PUR)			Flow Rate (ml/min)					Priming Volume (ml)					Catheter Lumen Gauge				
			Length (cm)	Size (Fr)	OD (mm)	Dist	Med 1	Med 2	Med 3	Prox	Dist	Med 1	Med 2	Med 3	Prox	Dist	Med 1	Med 2	Med 3	Prox
8159.125	FSU454	5	12.5	9.5	3.15	6.5	110	18	19	20	0.43	0.55	0.36	0.36	0.42	16	14	18	18	18
8159.167	FSU144	5	16	9.5	3.15	57	84	15	16	18	0.43	0.57	0.36	0.36	0.42	16	14	18	18	18
8159.207	FSU145	5	20	9.5	3.15	55	80	15	12	17	0.47	0.60	0.39	0.38	0.43	16	14	18	18	18
8158.125	FYV026	4	12.5	8.5	2.85	74	123	27	-	30	0.45	0.60	0.39	-	0.36	16	14	18	-	18
8158.167	FYV023	4	16	8.5	2.85	61	100	17	-	22	0.38	0.49	0.29	-	0.33	16	14	18	-	18
8158.207	FYV024	4	20	8.5	2.85	56	100	15	-	14	0.38	0.54	0.53	-	0.36	16	14	18	-	18
8155.167	FYV022	3	16	7.5	2.7	63	34	-	-	36	0.38	0.33	-	-	0.38	14	18	-	-	18
8155.207	FYV015	3	20	7.5	2.7	60	30	-	-	30	0.45	0.34	-	-	0.36	14	18	-	-	18
8157.167	FSU314	2	16	7.5	2.5	56	-	-	-	52	0.48	-	-	-	0.58	16	-	-	-	18
8157.207	FSU315	2	20	7.5	2.5	47	-	-	-	42	0.39	-	-	-	0.40	16	-	-	-	18

Multicath Forward																				
Vygon Code	NHSSC Code	No of Lumen	XRO Catheter (PUR)			Flow Rate (ml/min)					Priming Volume (ml)					Catheter Lumen Gauge				
			Length (cm)	Size (Fr)	OD (mm)	Dist	Med 1	Med 2	Med 3	Prox	Dist	Med 1	Med 2	Med 3	Prox	Dist	Med 1	Med 2	Med 3	Prox
0159.167	FSU232	5	16.0	9.5	3.15	57	84	15	16	18	0.43	0.57	0.36	0.36	0.40	16	14	18	18	18
0159.207	FSU233	5	20.0	9.5	3.15	55	80	15	12	17	0.47	0.60	0.39	0.38	0.43	16	14	18	18	18
0158.125	-	4	12.5	8.5	2.85	74	123	27	-	30	0.45	0.60	0.39	-	0.36	16	14	18	-	18
0158.167	FSU142	4	16.0	8.5	2.85	61	100	17	-	22	0.38	0.49	0.29	-	0.33	16	14	18	-	18
0158.207	FSU143	4	20.0	8.5	2.85	56	100	15	-	14	0.38	0.54	0.53	-	0.36	16	14	18	-	18
0155.167	FSU140	3	16.0	7.5	2.70	63	34	-	-	36	0.38	0.33	-	-	0.38	14	18	-	-	18
0155.207	FSU141	3	20.0	7.5	2.70	60	30	-	-	30	0.45	0.34	-	-	0.36	14	18	-	-	18
0157.167	-	2	16.0	7.5	2.50	56	-	-	-	52	0.48	-	-	-	0.56	16	-	-	-	18
0157.207	-	2	20.0	7.5	2.50	47	-	-	-	42	-	-	-	-	-	16	-	-	-	18

Dualyse/Trilyse																				
Vygon Code	NHSSC Code	No of Lumen	XRO Catheter (PUR)			Flow Rate (ml/min)					Priming Volume (ml)					Catheter Lumen Gauge				
			Length (cm)	Size (Fr)	OD (mm)	Dist	Med 1	Med 2	Med 3	Prox	Dist	Med 1	Med 2	Med 3	Prox	Dist	Med 1	Med 2	Med 3	Prox
8139.220	FSY039	3	20	12	-	50	220	-	-	290	0.6	1.3	-	-	1.5	16	12	-	-	11
8139.215	FSY036	3	15	12	-	55	250	-	-	320	0.4	1.1	-	-	1.3	16	12	-	-	11
8132.92	FSY126	2	20	12	-	315	-	-	-	350	1.9	-	-	-	1.9	11	-	-	-	11
8132.91	FSY125	2	15	12	-	350	-	-	-	380	1.7	-	-	-	1.7	11	-	-	-	11
8132.13	FSY126	2	24	12	-	311	-	-	-	319	2.0	-	-	-	2.0	11	-	-	-	11

A VYSET custom pack allows you to create a high quality pack to match your local protocol, incorporating all the items you need.

VYSET custom packs promote standardised insertion procedures, ensuring maximum barrier precautions and reduced risk of infection, ideally suited for many therapy areas.

Saving time and money

“Vygon’s bespoke CVC custom packs not only come with **excellent service** but also offer a **value for money solution**. The lines are easy to use and the insertion packs are excellent practically because they come with all the components, such as skin prep, that we know are needed to be compliant to Saving Lives and infection control procedures, **saving us nursing and OPD time**. We are very happy with the long-term relationships we have built up with our local Vygon representatives and the CVC custom packs are ideal for what we want and need.”

Lead Consultant ITU,
Part of Mid Trent Critical Care Network

Explore our **CVC** pack in more detail



ChloraPrep[®]

Bionector

Sharps safety

Customised documentation

Peelable drape (not perforated)

BIOPATCH[®]

Pre-filled saline syringe

Catheter