

# DEHP-Free Cartridge Blood Sets<sup>®</sup>

Gambro is always  
ahead of the curve.

Because we're the  
ones creating it.

### Only From Gambro

Why take the innovative step of becoming the first company to offer DEHP-free cartridge blood sets? Because your patient's safety is our first priority.

### What is DEHP?

- DEHP is a plasticizer for most PVC medical devices, including tubing used during dialysis.
- Plasticizers help increase the flexibility of polymer tubing.

### Why Remove DEHP?

- DEHP can leach from polymer tubing into solutions running through it—including your patient's blood.
- DEHP exposure has produced a wide range of adverse effects in laboratory animals.

### Why should DEHP matter to you?

- Patient safety is your first and foremost concern.
- The FDA strongly recommends limiting patient exposure to DEHP.

We're the only company complying with the FDA's recommendations by removing DEHP from our products. So why is Gambro always ahead of the curve? Because we're the ones creating it.



### Superior Product Design

Gambro's taken its proven non-invasive pressure monitoring technology to an even higher level. The result is industry-leading cartridge blood sets that

- Offer greater patient biocompatibility.
- Reduce cross-contamination risks.

In addition to being DEHP free, all our Cartridge Blood Sets are

- Gamma sterilized.
- Latex free.

Our advanced design makes setup simple, promoting ease of use for technicians. And all our Cartridge Blood Sets are specifically calibrated to work with Gambro equipment.



### Improved Dialyzer Connectors

Gambro Cartridge Blood Sets feature unique two-part dialyzer connectors.

- Stiff, rigid external material facilitates consistent, secure connections.
- Flexible internal material assures reliable, sealed connections.

Our innovative connector design also means colorants will never contact your patient's blood—eliminating the possibility of leaching.



## Dependable, Proven Benefits

Gambro's position as the leading provider of high quality cartridge blood sets is illustrated by our patient-first design.

- Easier loading and handling with pre-connected, integrated arterial and venous chambers.
- Reduced extracorporeal blood volume and saline use through our unique, low-volume design.
- Simplified priming and dialyzer deaeration due to reverse flow capability.

# DEHP-Free Cartridge Blood Sets

Gambro is always ahead of the curve.

Because we're the ones creating it.

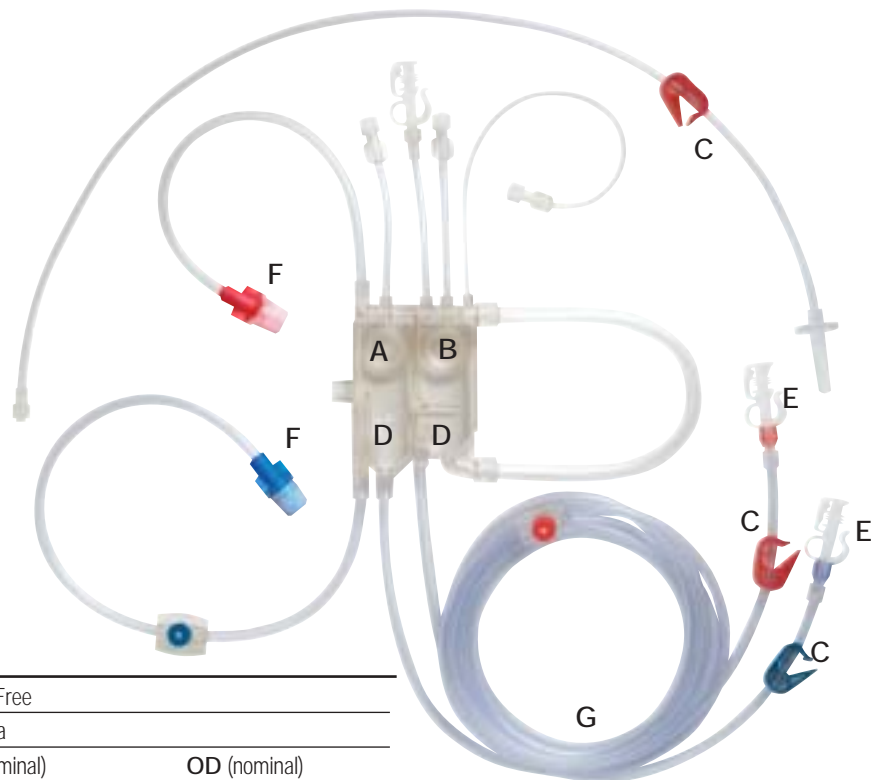


## Setting A New Standard

Gambro DEHP-Free Cartridge Blood Sets. An integral part of The Loop™, which exemplifies our dedication to optimizing patient outcomes and reducing life-cycle costs through the very best products available.

## Cartridge Blood Sets Product Information

- A Pressure monitoring system
- B Pre-pump arterial monitoring provides better information regarding patient's access
- C Color-coded, single-position pinch clamps used in key locations for easier clamping and quick identification
- D Bottom-entry chamber design eliminates splashing and bubble generation
- E Color-coded locking patient luers with a twist-off connection feature
- F Color-coded dialyzer blood-port caps for use on dialysate ports after dialysis
- G Kink-resistant, surface-frosted tubing



## Specifications

<b>Tubing Material:</b>	DEHP-Free			
<b>Sterilization:</b>	Gamma			
<b>Tubing Size/Volume:</b>	<b>ID (nominal)</b>	<b>OD (nominal)</b>		
Blood Pathway	4.17 mm	.164 in.	6.50 mm	.256 in.
Pediatric Blood Pathway	3.18 mm	.125 in.	6.43 mm	.253 in.
Pediatric, Low Volume Blood Pathway	2.54 mm	.100 in.	6.43 mm	.253 in.
Pump Segment	6.35 mm	.250 in.	9.53 mm	.375 in.
Pediatric, Low Volume Pump Segment	3.18 mm	.125 in.	6.43 mm	.253 in.

### References:

1. Investigations of different clinical groups show that up to 40% of the dialysis patients are sensitized by residual ethylene oxide (EtO) from sterilization. Source: Barth, H.P. et al. Anaphylactoid Reactions In Dialysis Patients. Artificial Organs, 1986.
2. Product is covered by multiple U.S. and foreign patents.
3. FDA Public Health Notification: *PVC Devices Containing the Plasticizer DEHP*. Source: The U.S. Food and Drug Administration; July 12, 2002.

## Ordering Information

Catalog #	Application	Volume Priming	Patient Line Length	Unit of Sale
003-409-400	Single Needle	145 ml	198 cm	10/case
003-409-410	Single Needle (w/prime line attached)	145 ml	198 cm	10/case
003-410-500	Double Needle	103 ml	183 cm	15/case
003-410-510	Double Needle (w/prime line attached)	103 ml	183 cm	15/case
003-411-500	Double Needle (w/longer patient lines)	120 ml	246 cm	15/case
003-412-500	Pediatric	75 ml	183 cm	15/case
003-422-500	Pediatric, Low Volume	40 ml	145 cm	5/case
003-429-500	Single Needle Conversion Kit	45 ml	n/a	5/case

Call your Gambro sales representative today to learn more at 800-525-2623.



10810 West Collins Avenue  
Lakewood, CO 80215-4434  
800-525-2623 or 303-232-6800  
visit us at [www.usa-gambro.com](http://www.usa-gambro.com)

Clinical Assistance Services  
800-456-73339

ISO 9002 Certification  
Caution: Federal Law (USA) restricts this device to sale by, or on the order of, a physician.  
Read *Instructions for Use* prior to patient application.  
Trademarks used herein are owned by or licensed to Gambro, Inc.  
©2004 Gambro, Inc. Printed in the USA 10/04 306050256 Rev. E