

## Sampling Manifold Systems

Single-use technologies are playing a key role in the reduction in risk of cross contamination in addition to time and cost benefits associated with assembly, cleaning and cleaning validation<sup>1</sup>. Economically designed for the single-use market, Bio-Simplex™ Sampling Manifold Systems are available with either four, six, eight or ten 60mL sampling bottles and an additional 500mL purge bottle at the end of the manifold. Each 60mL PETG bottle is connected to the Bio-Simplex™ manifold with 10 inches of tubing with a clamp, an EZ Top® container closure, a 0.2 µm vent filter and polyethylene cap. All EZ Top®, tubing and manifolds are made from animal derived component free (ADCF) pharmaceutical grade C-Flex® thermoplastic elastomer (TPE) resin — engineered to ensure an unobstructed fluid path, a secure elastomeric seal against each bottle with extremely low levels of extractables. Bio-Simplex™ Sampling Manifolds are easily used with sterile connecting devices and thermal tubing sealers. They are sold double bagged and gamma irradiated. A carrying tray (as shown in the first photo), designed for up to ten 60mL sample bottles and one 500mL purge bottle is included.

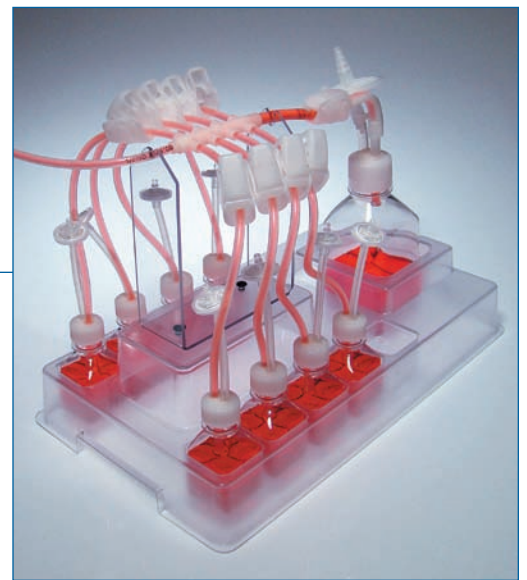
### Ideal Applications:

Our standard 4, 6, 8 or 10 bottle sampling manifolds provide ideal solutions for aseptic sampling, sterile additions, and for pulling samples to be retained. In the typical cell culture application, using the system provides a simple and easy mechanism for taking daily or periodic samples without breaking into the production line. This system also provides an ideal method to pull batch samples in the final formulation of your product. This sales literature provides details on our standard Sampling Manifold line. If you have a specific application that requires some modification or customization please contact our Customer Service Department.

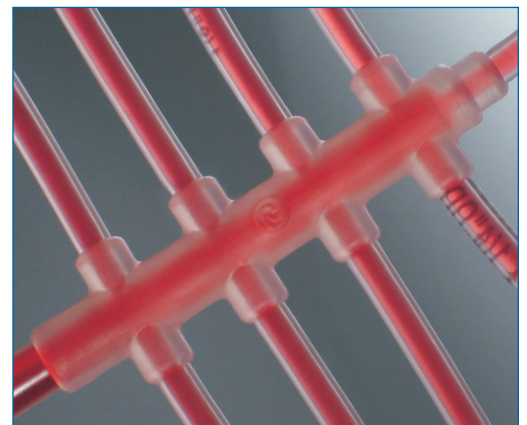
<sup>1</sup>As noted in *Pharmaceutical Technology Europe*, January, 2006.

BIO-SIMPLEX™ SAMPLING MANIFOLD SYSTEMS	
Four Bottle System	SM-4R
Six Bottle System	SM-6R
Eight Bottle System	SM-8R
Ten Bottle System	SM-10R

For more detailed specs on Bio-Simplex™ Sampling Manifold Systems, please see our product spec sheets.



Bio-Simplex™ Sampling Manifold Systems feature the Bio-Simplex™ Closure Assembly.



Closeup of an eight bottle manifold showing the unobstructed fluid path.



Single 60mL sampling bottle showing Bio-Simplex™ Closure Assembly with an EZ Top® container closure.

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- Pharmaceutical grade C-Flex<sup>®</sup> thermoplastic elastomer (TPE) tubing material is compatible with sterile connecting devices and tube welders.
- EZ Top<sup>®</sup> Container Closure provides a secure elastomeric seal against bottles. (See FLS-7201-0408-SGPPL-TPA)
- Bio-Simplex<sup>™</sup> FlexJoint increases stability of manifold purge line.
- 0.2 µm gamma-stable vent filters allow sterile gas exchange.
- Thermal bond between stopper and tubing prevents compromise of product.
- 500 mL PETG purge bottle
- EZ Top<sup>®</sup>s, tubing and manifolds are made from pharmaceutical grade C-Flex<sup>®</sup> TPE resin. All are engineered to ensure an unobstructed fluid path and extremely low levels of extractables.
- Heat sealed end on fill line.
- Pure-Fit<sup>®</sup> TC tubing clamps offer complete tubing stoppage and a unique locking mechanism for single hand operation.
- 60mL PETG sampling bottle
- Clear HDPE plastic tray is designed to hold up to ten 60mL sampling bottles and one 500 mL purge bottle.
- Bio-Simplex<sup>™</sup> Sampling Manifolds are available in four, six, eight or ten bottle configurations.
- Sampling Manifold Systems arrive double bagged and gamma irradiated.

EZ Top<sup>®</sup>, Pure-Fit<sup>®</sup> and C-Flex<sup>®</sup> are registered trademarks.  
Bio-Simplex<sup>™</sup> is a trademark.

Saint-Gobain Performance Plastics-Tampa  
7200 Sheldon Road  
Tampa, FL 33615  
Tel: (813) 249-1991  
Fax: (813) 249-1992



**IMPORTANT:** It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics tubing for all intended uses. Laboratory and clinical tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of tubing in any particular application.

For a period of 12 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risk, if any, including the risk of injury, loss or damage, direct or consequential, arising out of the use, misuse, or inability to use, this product. THIS WARRANTY IS IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. No deviation is authorized.

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