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. 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®s, 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.

BIO-SIMPLEX™ SAMPLING MANIFOLD SYSTEMS

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

As noted in Pharmaceutical Technology Europe, January, 2006.
Sampling Manifold Systems

- Pharmaceutical grade C-Flex® thermoplastic elastomer (TPE) tubing material is compatible with sterile connecting devices and tube welders.

- EZ Top® Container Closure provides a secure elastomeric seal against bottles. (See FLS-7201-0408-SGPPL-TPA)

- Bio-Simplex™ 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.

- EZ Top®s, tubing and manifolds are made from pharmaceutical grade C-Flex® TPE resin. All are engineered to ensure an unobstructed fluid path and extremely low levels of extractables.

- Pure-Fit® TC tubing clamps offer complete tubing stoppage and a unique locking mechanism for single hand operation.

- Heat sealed end on fill line.

- 60mL PETG sampling bottle

- 500 mL PETG purge bottle

- Clear HDPE plastic tray is designed to hold up to ten 60mL sampling bottles and one 500 mL purge bottle.

- Bio-Simplex™ Sampling Manifolds are available in four, six, eight or ten bottle configurations.

- Sampling Manifold Systems arrive double bagged and gamma irradiated.