



Easier, Faster and Completely Disposable, Ready to Use Solution for Sampling Applications



Pre-loaded Disposable Sampling Port Cartridge Adapter

mdi pre-loaded disposable sampling port cartridge with adapter does away with tedious, time consuming assembly of ASESS® sampling system ports in the cartridge and subsequently in the multiport adapters. This provides an easy, faster, ready to use sampling system which fits directly on to the vessel port.

Aseptic Sampling Applications

Application Areas	Fermentation & Cell Culture	Buffer/Media Prep	Purification	Fill & Finish	Cold Chain
Cell Viability, Density and Characterization	✓	-	-	-	✓
Fluid Chemistry and Gas Analysis	✓	✓	✓	✓	✓
pH Analysis	✓	✓	✓	\checkmark	\checkmark
IgG Analysis	✓	✓	✓	✓	✓
Osmolality	\checkmark	\checkmark	\checkmark	✓	\checkmark
Sterility and Bioburden Testing	✓	✓	✓	\checkmark	\checkmark
Endotoxin Testing	✓	✓	✓	✓	✓

Special Features

- > Closed system for maximum operator safety and zero contamination
- > Easier, faster and completely disposable, ready-to-use solution for sampling application
- No tedious time consuming assemblies of sampling system ports in cartridges and multi-port adaptors

Sampling Container Options



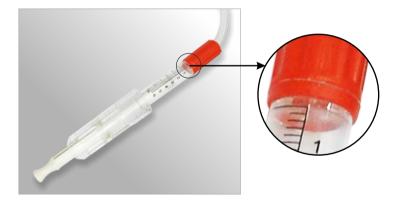
Sampling Bags



Tamper Proof Sampling Bottles



Centrifuge Tubes

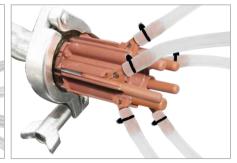


Tamper Proof Sampling Syringes

How to Use







Product Realization

User Specified ASESS® Design Specifications are established

- Sampling containers type
- > Sampling containers size
- > Number of sampling systems
- > Sampling needs

Technical feasibility

- Based on the above information and available components a technical feasibility of the pre-loaded ASESS® sampling system is done
- An initial drawing of same is submitted for user approval

Design approval

- User approval of pre-loaded ASESS® sampling system drawing
- > Changes to finalize drawing, if required

Finalized pre-loaded ASESS® sampling system

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