

**mdi** AESS are gamma irradiated single use disposable systems for aseptic fluid sampling at various stages in pharmaceutical and biopharmaceutical processing. These systems minimize chances of false positives and reduce cleaning requirements over traditional sampling systems.

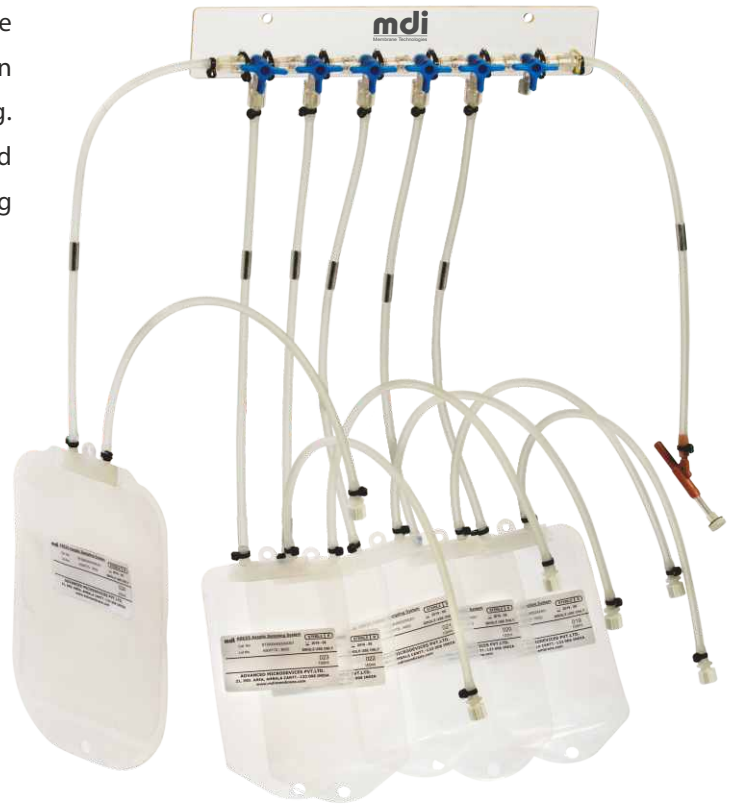
**Validated for**

- Sterility as per USP <71>
- Class VI Plastics as per USP <88>
- Cytotoxicity as per USP <87>
- Bacterial Endotoxin <0.25EU/ml
- TOC as per USP <643>
- Conductivity as per USP <645>

**Applications**

Aseptic sampling of:

- Sterile bulk and sterile transfers
- Vaccine formulations at different maturation steps
- Fermentation cycles



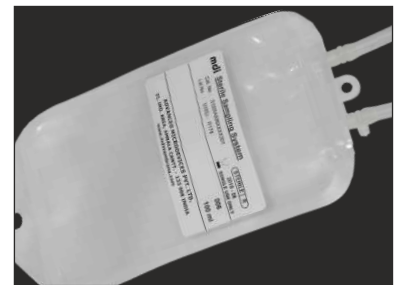
**Unique Performance Advantages**



Female luer ports with male luer cap on outlet tubing on each sampling bag for easy drawing of samples



Single cut off Safety Valve:  
Cuts off the entire Sampling system in case of any eventuality



Specially designed multilayered bag film

**Accessories**



Single 'Vessel Port' connections with single as well as Multiple Sampling Ports



Crimping Tool

## Specifications

### Operating Conditions

Operating Temperature	-20°C to 60°C
Operating Pressure	5 psi
Steam in Place (Sanitary flange adaptor assembly)	125°C for 30 min

### Materials of Construction

Bag	Multilayered Film type FBG-1
Tubing	Thermoplastic Elastomer
Septum	Thermoplastic Elastomer
Needle	316L SS

**Sterility:** Gamma Irradiated

### Other Specifications

- 100% Integrity tested
- Non Animal Origin: Comply with the requirements laid down in the "Note for Guidance EMEA/410/01, rev. 03" for inputs of Non Animal Origin

## Ordering Information

Type	XX	XX	XX	S	S	Sterility		Pack Size	
							Code		Code
ASESS Aseptic Sampling System						Gamma Sterile	3	1	01
	Drawing No.*								
	A044								
	A023								

**A044XXXXXXXXSS301:** Sampling system with 5 sampling bags of 100 mL each and a 250 mL drain bag

**A023XXXXXXXXSS301:** Sampling system with 10 sampling bags of 100 mL each and 2 x 250 mL drain bags

**A028XXXXXXXXSS301:** Sampling system with 1 sampling bag of 100 mL

**A029XXXXXXXXSS301:** Sampling system with 1 sampling bag of 250 mL

**\*mdi can design customer specific sampling systems. Please contact your nearest sales office.**

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