Whatman MBS I Microbiological Filtration System

MICROBIOLOGY PRODUCTS

DOMINIQUE DUTSCHER SAS

If your testing facility processes more than 25 samples per day, you need an efficient and reliable filtration system. The Whatman™ MBS I Microbiological Filtration System is designed specifically for high-throughput users, allowing fast and sterile sample filtration. Consisting of an automatic membrane dispenser, pre-sterilized funnels, funnel dispenser and a vacuum manifold, the MBS I streamlines your testing procedure. With easy access to materials and no need to sterilize between samples, you will save up to 50% in processing time.



Features and benefits

- **Modular design:** 2-place vacuum module can be connected to 4- or 6-place manifolds
- **Reduced testing time:** with no need to sterilize funnels or filter base between samples, testing time can be reduced by 50%
- **Larger funnel volume:** pre-sterilized MBS I funnels hold 350 mL, 40% more than standard 250 mL funnels
- **Adaptable:** "Membrane Butler" dispenser components can be stacked to provide access to two types of membranes at once
- **No flaming required:** risk of cross-contamination is reduced and membrane filtration method is open for validation
- **Cost efficient:** polypropylene filters are autoclavable up to 50×, reducing material costs
- **Easy handling:** ergonomic design allows simple and sterile access to all materials
- **Reduced contamination:** special sealing technique virtually eliminates cross-contamination

Applications

- Potable water
- Waste water
- Soft drinks
- Beer and wine
- Dairy products

Workflow



Fig 1. By taking a new pre-sterilized funnel, a membrane is dispensed automatically. (Workflow continued on next page).

Workflow *(continued)*



Fig 2. Pre-sterilized funnel is installed on filter base over membrane.



Fig 3. Liquid is poured into funnel and vacuum is activated.

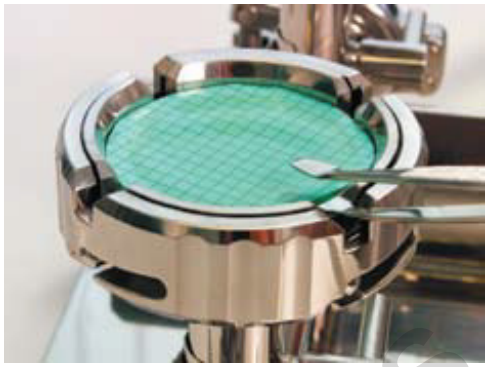


Fig 4. Membrane is easily removed and cultured.

Ordering information

Product	Description	Qty/ pkg	Catalog number
AS 220	2-place vacuum manifold	1	10 445 890
Funnel dispenser	Automatic dispenser for funnels	1	10 445 870
Funnels 100 mL	PP (autoclavable)	20	10 445 861
Funnels 100 mL	ABS (not autoclavable)	20	10 445 865
Funnels 350 mL	PP (autoclavable)	20	10 445 866
Membrane-Butler E	Membrane dispenser	1	10 477 110
Autoclaving Bags	Autoclaving bags for MBS I funnels	20	10 445 868
Butler tower	Mounting for two Membrane-Butler ES	1	10 477 112
AS 220/2	Adapter for NPTF 1/4"	1	10 445 892
Foot pedal for Membrane-Butler E	Foot pedal for dispensing a membrane automatically	1	10 447 113
Membrane-Butler	Manual dispenser for membranes	1	10 477 100

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