

# M-Funnel® N<sub>XT</sub>

## Disposable Filter Funnels

## DATASHEET

### Product Description

MDI M-Funnel® N<sub>XT</sub> is a new easy to use pre-sterilized, individually packed disposable filtration device, specially designed to help facilitate and speed up microbial analysis of water as well as product in pharmaceutical, beverages and food processing industries.

M-Funnel® N<sub>XT</sub> has a convenient design with a detachable 100 mL funnel and pluggable bottom for ease of sample collection and transfer to laboratory.

It houses a 0.45 µm membrane, grid marked for ease of colony counting.

### Applications

- Water and product microbiology in pharmaceutical, beverages and processed food industry
- Water microbiology for municipal water supply

### Key Features

- Engraved volume markings for accurate measurement of sample volumes
- Validated ink grids for no inhibitory effect on microbial recovery and no inference with colony counting
- Universally adaptable design fits directly on most filter manifolds



### Sizes Available

100 mL

DST FXXX02X2505K

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DST FXXX02X2505K

### Specifications

#### Funnel Membrane and Color

Polyvinylidene Fluoride (PVDF) : Red

Nylon-66: Yellow

Cellulose Nitrate (CN): Blue

Mixed Cellulose Ester (MCE): Brown

#### Funnel Material

Polypropylene

#### Pore Size

0.45 µm

#### Sterilization

EO Sterilized

Gamma sterilized

#### Diameter

47mm

#### Retention Efficiency

LRV > 7 for *S. marcescens* (ATCC 14756) per cm<sup>2</sup>

### WATER FLOW RATES

#### M-Funnel® N<sub>XT</sub> with Cellulose Nitrate Membrane

≥ 250 ml/min at 250mm Hg Vacuum

#### M-Funnel® N<sub>XT</sub> with PVDF Membrane

≥ 250 ml/min at 350mm Hg Vacuum

#### M-Funnel® N<sub>XT</sub> with Cellulose Ester Membrane

≥ 250 ml/min at 250mm Hg Vacuum



M-Funnel® N<sub>XT</sub> with  
PVDF Membrane



M-Funnel® N<sub>XT</sub> with  
Nylon Membrane



M-Funnel® N<sub>XT</sub> with  
Cellulose Nitrate  
Membrane



M-Funnel® N<sub>XT</sub> with  
Mixed Cellulose Ester  
Membrane

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### Validated for

- **Microbial Recovery : ISO 7704**  
Water quality - Evaluation of membrane filters used for microbiological analyses
- **ASTM 4200-82**  
Evaluating inhibitory effects of ink grids on membrane filters
- **Microbial Retention**
- **Sterility testing**  
The sterilization process has been validated to assure sterility assurance level of  $10^{-6}$  in accordance with ISO 11137

### Quality Management Systems

MDI M-Funnel® N<sub>XT</sub> devices are well designed products with in-built quality assurance. ISO-9001:2015 Certified Quality Management System, careful selection of raw materials, validated production processes and testing procedures based on international standards and guidelines such as USP, ASTM, ISO ensures manufacture of consistently high quality funnels.

These funnels are manufactured in clean rooms certified by external agencies and monitored in-house for viable and non viable particles. Employee hygiene, change rooms, gowning and de-gowning procedures and continuous monitoring of the areas is an essential part of these facilities. These facilities have been designed for unidirectional work flow with appropriate change rooms for personnel and pass boxes for material movement.



To place an order or receive technical assistance, please visit: [mdimembrane.com/contact](https://mdimembrane.com/contact)  
For additional information, please visit <https://mdimembrane.com/>

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### Ordering Information

Type		Size		Pore Size		X	X	Capacity		Sterility		Pack Size	
	Code		Code		Code				Code		Code		Code
M-Funnel® N <sub>XT</sub> with PVDF Membrane	FXVF	47 mm	09	0.45µm	02			100 ml	XX	EO sterile	2	24	12
M-Funnel® N <sub>XT</sub> with Cellulose Nitrate Membrane	FXCN									Gamma sterile	3		
M-Funnel® N <sub>XT</sub> with Mixed Cellulose Ester Membrane	FXMC												
M-Funnel® N <sub>XT</sub> with Nylon Membrane	FXNN												

#### Example:

FXVF	09	02	X	X	XX	2	12
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#### CORPORATE OFFICE

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