

M-Funnel[®] Nxt

Disposable Filter Funnels

DATASHEET

Product Description

MDI M-Funnel[®] Nxt 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[®] Nxt 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

DST FXXX02X2505K



Sizes Available

100 mL

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Specifications

Funnel Membrane and Color

Polyvinylidene Fluoride (PVDF) : Red
Nylon-66: Yellow
Cellulose Nitrate (CN): Blue
Mixed Cellulose Ester (MCE): Brown



Funnel Material

Polypropylene

M-Funnel® NXT with
PVDF Membrane

Pore Size

0.45 μm

M-Funnel® NXT with
Nylon Membrane

Sterilization

EO Sterilized
Gamma sterilized



Diameter

47mm

M-Funnel® NXT with
Cellulose Nitrate
Membrane

Retention Efficiency

LRV > 7 for *S. marcescens* (ATCC 14756) per cm^2

M-Funnel® NXT with
Mixed Cellulose Ester
Membrane

WATER FLOW RATES

M-Funnel® NXT with Cellulose Nitrate Membrane

$\geq 250 \text{ ml/min}$ at 250mm Hg Vacuum

M-Funnel® NXT with PVDF Membrane

$\geq 250 \text{ ml/min}$ at 350mm Hg Vacuum

M-Funnel® NXT with Cellulose Ester Membrane

$\geq 250 \text{ ml/min}$ at 250mm Hg Vacuum

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® NXT 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.

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Ordering Information

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

Example:

FXVF	09	02	X	X	XX	2	12
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