



Data Sheet

MultiScreen[®]-Mesh Plates

A multiwell, high throughput cell strainer for cells or whole organisms



How it works...

The MultiScreen-Mesh 96-well plate and the 96-well receiver plate fit together with a lid to provide a self-contained, one-step system for performing multicellular *in vivo* analysis for compound screening.

HIGH THROUGHPUT CELL STRAINER

The MultiScreen-Mesh plate can be used to reduce cell aggregates prior to injection on a FACS analyzer. Cells can be strained through the mesh either by gentle centrifugation or gravity flow. Cells can then be transferred to a fresh plate for injection onto a FACS instrument or injected directly from the MultiScreen receiver plates. We have tested direct injection with BD[™] Canto II and BD[™] LSR II. Other instruments may be used but should be tested for dimensional compatibility.

COMPLETE ASSAY SYSTEM FOR WHOLE ORGANISM SCREENS

Together with the receiver plate, the MultiScreen-Mesh plate provides a complete system for culturing, testing, and reading assay results in a one-plate protocol. This system is ideal for target screening and other applications that evaluate new compounds using multicellular organisms as the *in vivo* model.

INCREASE YOUR SCREENING THROUGHPUT

The MultiScreen-Mesh system is optimized for compound and target identification in a 96-well plate format. The nylon mesh plate and receiver tray fit together to provide a ready-to-use system for assays measuring paralysis, cytotoxicity, and death of multicellular organisms. Select from a range of mesh sizes appropriate for your application.

SAVE ON PREPARATION TIME

MultiScreen-Mesh plates can be used out of the box to skip the time consuming steps associated with traditional methods. Simply transfer parasites, nematodes, or other multicellular organisms into the wells, treat with target compound, and measure the migration of the organisms. The plates are optically clear for use with an imaging microscope or other microscopic analysis. Plates can be coated with a thin layer of agar if required.

SPECIFICATIONS

Nylon Mesh Plates	Clear acrylic polymer with nylon mesh membrane
96-Well Receiver Plates	polystyrene

ORDERING INFORMATION

Select the nylon mesh size appropriate for your application.

Description	Mesh Size	Qty/Pk	Catalogue No.
MultiScreen-Mesh Plate	20 µm	10	MANM N20 10
with 96-well tray + lid	40 µm	10	MANM N40 10
	60 µm	10	MANM N60 10
	100 µm	10	MANM 100 10

Accessories

MultiScreen Transport Receiver Plate		50	MATR NPS 50
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