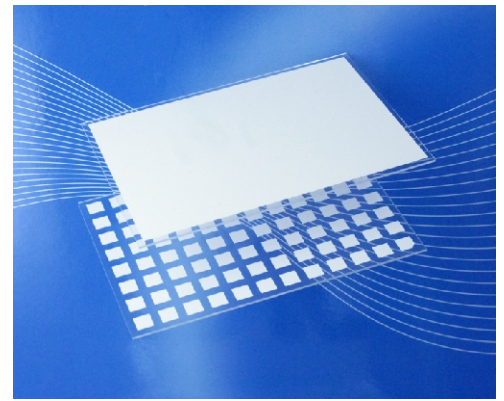


NEW

Multi-well microplate formats

Nexterion® MTP-NC-C/N(96) nitrocellulose-coated plates and IC-96 holder



Overview

Formats	Immobilization method	Probes	Typical applications
SBS microplate sized with a single nitrocellulose-coated pad	Passive absorption through non-specific interactions	<ul style="list-style-type: none">• Cell lysates• Proteins• Peptides• Antibodies	<ul style="list-style-type: none">• Target discovery• High throughput• Reverse phase assays• Sandwich arrays
SBS microplate with 96-nitrocellulose-coated pads	Passive absorption through non-specific interactions	<ul style="list-style-type: none">• Antigens• Glycoproteins• Glycans• Lectins	<ul style="list-style-type: none">• Cytokine detection• Protein-DNA interactions• Antibody profiling• Protein binder arrays• Biomarker profiling• MicroSpot ELISA• Serological assays• Protein activity screening• Enzyme profiling

Introduction

Nexterion® MTP-NC96 is an innovative 96-well microplate platform for parallel analysis of multiplexed assays. The product combines all the advantages of the nitrocellulose coating with the high-throughput 96-well microplate format, making automated parallel assays a reality. MTP-NC96 conforms to the SBS standard microplate format commonly used in clinical diagnostics, high throughput screening and drug discovery. SCHOTT's innovative two-component system allows users to array all types of probes on a flat, planar surface, and then create a 96-well microplate after arraying. The coating is manufactured using an advanced nitrocellulose casting method, for a highly reproducible surface with low intrinsic background fluorescence. The Nexterion® MTP-NC96 is available either as a large single pad format plate, or a 96-well format specifically designed for high-throughput use.

Immobilization surface

Two types of nitrocellulose coating are available in the Nexterion® MTP-NC96 microplate format: Nexterion® NC-N for use with non-contact microarray printing systems, and Nexterion® NC-C for use with contact printers. Both types of nitrocellulose membranes are compatible with all detection methods including fluorescent, chemi-luminescent, radiographic, and colorimetric. The nitrocellulose coatings are identical to those used for the standard and multi-pad Nexterion® Slide NC-C/N products.

Product details

Instrument compatibility

For information on compatible microplate scanners and detailed instructions for printing into the Nexterion® MTP-(96)NC-C/N plates, please refer to the section on Nexterion® multi-well microplate formats. MTP-NC-C/N96 plates are compatible with automated liquid handling instrumentation and multi-channel pipettors.

Technical instructions

Further information about printing and processing the MTP-NC96 plates are available in the FAQ section of the Nexterion® web site.

Packaging and storage

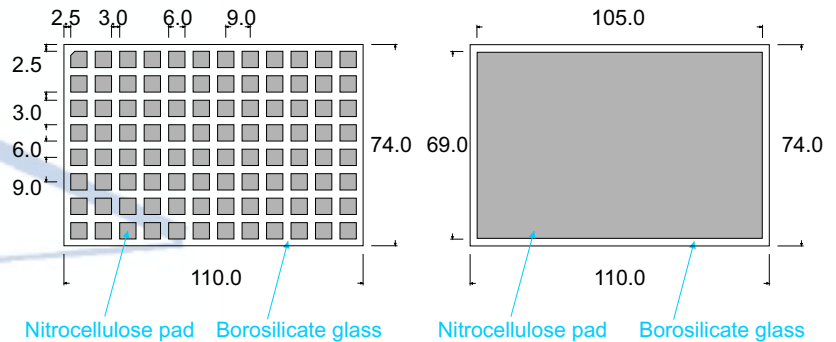
Nexterion® MTP-NC96 nitrocellulose-coated glass plates are available in 5-plate packs sealed in stable plastic boxes under an inert atmosphere to avoid any deleterious changes to the nitrocellulose coating. The shelf life of the nitrocellulose-coated plates is 12-months, and the expiry date is indicated on the external packaging.

Product components

The two main components comprising the MTP-NC96 system are available as separate items.

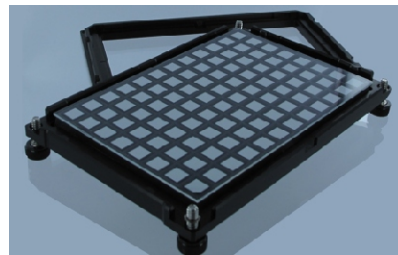
1. High quality nitrocellulose coated glass substrate

The Nexterion® MTP-NC96 is available in two formats: one large single pad plate, or ninety-six pads.



Dimensions of MTP-NC96 and single pad
All dimensions in mm. Tolerances: ± 0.1 mm

2. Nexterion® IC-96 incubation chamber and plate holder



The reusable 96-well incubation chamber consists of a flexible, black silicon superstructure held within a high-quality, black anodized aluminium holder .

Ordering information

Nexterion® product	Number of pads per plate	Size of pad/s /wells (mm)	Order code	Number of items per pack
Nexterion® MTP-NC-C	One	105.0 x 69.0	1284343	5
Nexterion® MTP-NC-N	One	105.0 x 69.0	1293518	5
Nexterion® MTP-NC-C96	96	6.0 x 6.0	1293519	5
Nexterion® MTP-NC-N96	96	6.0 x 6.0	1213975	5
Nexterion® IC-96	Reusable incubation chamber for 96 well plate* **	7.7 x 7.7	1272375	1
Nexterion® IC-96s	Replacement 96-well silicone superstructure for IC-96	7.7 x 7.7	1293526	1

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* The Nexterion® IC-96 will only fit glass plates that have the dimensions 110.0 x 74.0 mm.

** With care, it is possible to remove the dividing well walls of the superstructure, so that the IC-96 may also be used with the single pad of the MTP-NC-C/N plates.