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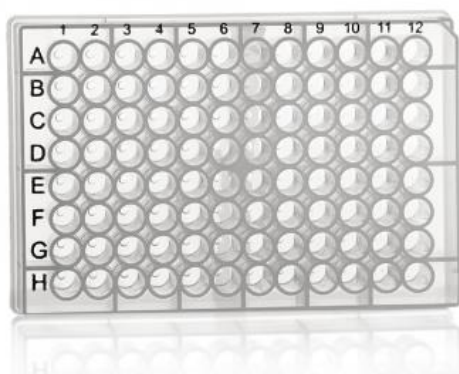
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96 Round Deep Well Storage Microplate, For Magnetic Separators



1.00ml round wells, V-shaped bottom, clear polypropylene; also available as low binding plate with ultra-low DNA binding properties

Overview

These 96 deep well storage microplates are especially designed for use with magnetic separators for bead separation protocols. Due to the special shape of the stacking ribs, the plate sits much lower on the magnetic separator than standard round well plates thus facilitating the speed and efficiency of the separation process. The plates are ultra-flat for a completely uniform seal; sealing possible with either adhesive or heat seals.

Manufactured in our ISO class 7&8 cleanroom facilities, the plates are certified free of RNase, DNase, human genomic DNA and endotoxins. We use only the highest medical grade virgin polypropylene with high resistance against chemicals such as DMSO, phenol, and chloroform.

Low DNA Binding Products

- Azenta Life Sciences offer low binding products, recommended to support sensitive techniques such as qPCR and Next Generation Sequencing (NGS), as well as storage of samples.
- Manufactured using selected low-bind polymers, DNA loss is minimized during incubation and sample transfer, making it the ideal solution for use in applications with low DNA input.
- Low binding feature results from selected low-bind polymers, no coating is used to achieve the binding characteristics. No contamination or modification of the samples.
- Tested under a broad temperature range. Maximum DNA recovery after low temperature storage and high temperature incubations.

- No detectable DNA loss during incubation steps and sample transfer in NGS sample prep and library construction. Ideally suited for sensitive applications with ultra-low nucleic acid input.

Key Features

- **Quality & Material**
 - Made from polypropylene, a material with very low biomolecular binding characteristics, a high temperature tolerance and resistance to many standard laboratory chemicals, including DMSO
 - Autoclavable
 - Free from RNase, DNase, human genomic DNA and endotoxins
- **Wells**
 - V-shaped bottom
 - Round wells: suitable for most applications, as they reduce droplet effects and wicking
- **Frame**
 - Alphanumeric grid reference to aid well and sample identification
 - SBS footprint
- **Use**
 - Perfect fit to magnetic separators: the magnetic beads separate perfectly into e.g. a ring (if a ring magnet is used) allowing easy removal of supernatant from the center of the well by manual or automated pipetting
 - Replaces the 96-well storage plates, round well, 0.8ml (MIDI plate, Fisher Scientific® part number AB-0859), in e.g. Illumina® protocols
 - Best for small volume recovery due to the V-shaped bottom, as the liquid gathers at the lowest point of the V for easy pipetting
 - Compatible with plate readers and ideal for use with automation
 - Temperature range for use: -80°C to 120°C
- **Options**
 - Ultra-low DNA binding option available (4ti-LB0125) for sensitive applications with ultra-low DNA input and for maximum DNA recovery after low temperature storage and high temperature incubation; learn more about our low binding range
 - Available barcoded upon request; learn more about our barcoding options
 - Non-sterile as standard, sterilization available upon request; contact an expert for details and pricing
 - Silicone sealing cap mat (4ti-0124) available separately: efficiently prevents cross contamination and sample evaporation to ensure a high degree of sample security

Ordering Information

Use these part numbers to request a quote, a sample or to contact an expert:

Part number	Description
96 Round Deep Well Storage Microplate, For Magnetic Separators 1.00ml round wells, V-shaped bottom, clear polypropylene	
4ti-0125	clear; 50 plates
4ti-LB0125	clear, low binding; 50 plates
Mats	

4ti-0124

Silicone Sealing Cap Mat; 50 mats

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