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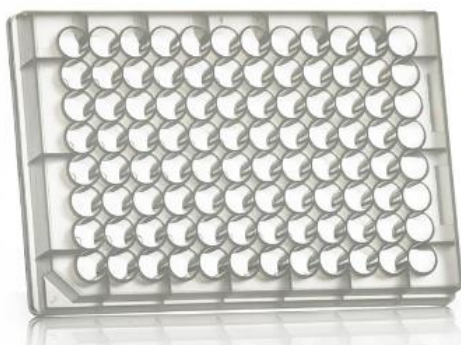
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## 96 Round Well Storage Microplate



200µl, 300µl, 330µl or 350µl round wells, U or V shaped bottom, clear polypropylene; also available as a low binding plate with ultra-low DNA binding properties

### Overview

These shallow 96 well storage microplates are particularly suitable for collection and preservation of samples widely used in cell biology research, molecular biology research, and drug discovery. Four formats are available of this plate: a U-bottom plate with 300µl or 330µl well volumes (4ti-0110 and 4ti-0116 respectively), and a V-bottom plate with 200µl or 330µl well volume (4ti-LB0109 and 4ti-0117 respectively). Also available as a low binding plate with ultra-low DNA binding properties (4ti-LB0109) for sensitive applications such as Next Generation Sequencing sample preparation.

All of these plates are ultra-flat for a completely uniform seal, either with adhesive or heat seals, or with our accompanying silicone sealing mat (4ti-0138; 4ti-0138 is not compatible with 4ti-0110 and 4ti-LB0109). These plates are manufactured in cleanroom facilities which 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
  - Low binding option made of selected low bind polymers, no coating is used to achieve the binding characteristics; they feature stacking ribs under the deck for improved stability, strengthening the plate for use in robotic automation applications
- **Wells**
  - Conical V-bottoms (4ti-LB0109 and 4ti-0117) and U-shaped bottoms (4ti-0110 and 4ti-0116)
  - 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**
  - Clear plate, perfect for storage applications
  - Suitable as a collection plate from filter systems
  - Temperature range for use: -80°C to 120°C
  - Best for precipitation, centrifugation and small volume recovery due to the V-shaped bottom, as the liquid gathers at the lowest point of the V for easy pipetting
  - U-shaped bottom plates are best for washing, mixing and pelleting and give high surface area
  - Stackable
  - Suitable for adhesive and heat sealing
- **Options**
  - Available with a U-shaped bottom in 300µl and 330µl, and with V-shaped bottom in 200µl and 330µl
  - Ultra-low DNA binding option available (4ti-LB0109) 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 (not suitable for use on PCR blocks)
  - Non-sterile as standard, sterilization available upon request; contact an expert for details and pricing
  - Available barcoded upon request; learn more about our barcoding options
  - A clear silicone sealing mat (4ti-0138) is also available to fit these plates (except 4ti-0110 and 4ti-LB0109)

## Ordering Information

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

Part number	Description
<b>96 Round Well Microplate</b> Round wells, clear polypropylene	

4ti-LB0109	200µl wells, V shaped bases, low binding; 50 plates
4ti-0110	300µl wells, U shaped bases; 100 plates
4ti-0116	350µl wells, U shaped bases; 10 x 10 plates
4ti-0117	330µl wells, V shaped bases; 10 x 10 plates
<b>Mats</b>	
4ti-0138 *	Silicone Sealing Cap Mat; 50 mats

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