

FrameStar 96 Well Non-Skirted PCR Plate, Low Profile

Low profile, 0.1 ml polypropylene wells, polycarbonate frame, cut corner H1, working volume: <100 µl, total well capacity: 200 µl; universal non-skirted, low profile plate designed for use on all major thermal cyclers

- The low profile wells of this plate are shorter than “standard” profile wells, which decrease the “dead space” between the heated lid of the thermal cycler and the sample in the well
- This eliminates condensation forming on the side wall of the tubes, preventing reduction in PCR volume and increasing the efficiency of the reaction
- This is especially recommended for reaction volumes below 20 µl
- The rigid polycarbonate skirt of this design eliminates warping and distortion during PCR, meaning seal integrity is not compromised and less of your sample is lost through evaporation

Key Features

- Free from DNase, RNase, human genomic DNA, and endotoxin/pyrogen
- Greatest compatibility with different thermal cyclers

Wells

- Ultra-smooth, uniform, thin-walled polypropylene tubes for optimum PCR and real-time (RT-qPCR) results
- <0.1 ml (100 µl) working volume, 0.2 ml (200 µl) total well capacity

Frame

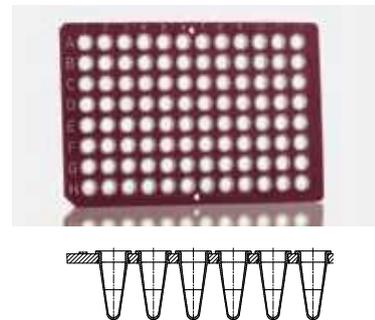
- Rigid polycarbonate frame for added mechanical stability
- Significantly reduced thermal expansion and sample evaporation for improved consistency in PCR results
- Improved seal integrity due to thermal stability of frame
- Alphanumeric grid reference to aid well and sample identification

Use

- Recommended for low volume PCR
- Compatible with standard multichannel pipettes

Options

- Available with the following frame color options for the clear well variety: purple, blue, and clear
- Also available as a black frame with white wells for optimum signal-to-noise ratio when using fluorescent based assays



Specifications

Parameter	Value
Plate length	120.00 ± 0.25 mm
Plate width	80.00 ± 0.25 mm
Plate height	15.60 ± 0.05 mm
Well depth	15.10 ± 0.10 mm
Well diameter	5.50 ± 0.10 mm
Distance to center of A1 from top edge	18.50 ± 0.25 mm
Distance to center of A1 from left edge	10.50 ± 0.25 mm
Pitch (distance between A1 and A2)	9.00 mm

Ordering Information

4ti-0720	FrameStar 96 Well Non-Skirted PCR Plate, clear PP wells, purple PC frame, low profile, cut corner H1, 50 plates per case
4ti-0720/B	FrameStar 96 Well Non-Skirted PCR Plate, clear PP wells, blue PC frame, low profile, cut corner H1, 50 plates per case
4ti-0720/C	FrameStar 96 Well Non-Skirted PCR Plate, clear PP wells, clear PC frame, low profile, cut corner H1, 50 plates per case
4ti-0721	FrameStar 96 Well Non-Skirted PCR Plate, clear PP wells, black PC frame, low profile, cut corner H1, 50 plates per case

For recommended plate options depending on manufacturer, block type, and instrument please refer to the Azena Plate Instrument Compatibility Table Page 187.