

FrameStar 96 Well Semi-Skirted PCR Plate, ABI® FastPlate Style

Low profile, 0.1 ml polypropylene wells, polycarbonate frame with upstand, cut corner A1, working volume: <100 µl, total well capacity: 200 µl; designed for use on ABI® Fast Block cyclers

- This semi-skirted low profile plate is recommended for use with ABI® Fast block 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
- Especially recommended for reaction volumes below 20 µl
- The rigid polycarbonate skirt of this design eliminates warping and distortion during PCR, and makes it ideal for use with robotic systems. Its skirt also allows for labeling or barcoding

Key Features

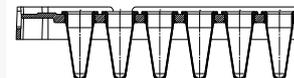
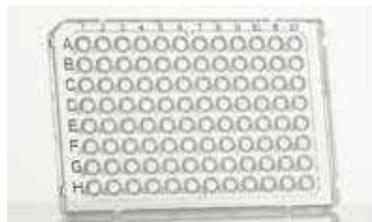
- Free from DNase, RNase, human genomic DNA, and endotoxin/pyrogen
- Stackable

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

- Compatible with ABI® Fast block thermal cyclers
- Recommended for low volume PCR
- Compatible with standard multichannel pipettes
- Ideal for use with robotic systems

Options

- Standard plate comes with clear polypropylene wells with a clear polypropylene frame
- Also available with white wells for optimum signal-to-noise ratio when using fluorescent based assays
- Also available as a clear frame with frosted wells for use with ABI®/LifeTechnologies® qPCR instruments
- Combi packs available (for 4ti-0910/C) with Optically Clear Windowed qPCR Seal (4ti-0565)
- Available barcoded upon request

Ordering Information

4ti-0910/C	FrameStar 96 Well Semi-Skirted PCR Plate, ABI Fastplate style, clear PP wells, clear PC frame, with upstand, low profile, cut corner A1, 50 plates per case
4ti-0910/C/10P	FrameStar 96 Well Semi-Skirted PCR Plate, ABI Fastplate style, clear PP wells, clear PC frame, with upstand, low profile, cut corner A1, 10 plates per case
4ti-0911	FrameStar 96 Well Semi-Skirted PCR Plate, ABI Fastplate style, white PP wells, clear PC frame, with upstand, low profile, cut corner A1, 50 plates per case
4ti-0912	FrameStar 96 Well Semi-Skirted PCR Plate, ABI Fastplate style, frosted PP wells, clear PC frame, with upstand, low profile, cut corner A1, 50 plates per case
4ti-0912/10P	FrameStar 96 Well Semi-Skirted PCR Plate, ABI Fastplate style, frosted PP wells, clear PC frame, with upstand, low profile, cut corner A1, 10 plates per case
Combi Pack	
4ti-0910/C/ 0565	FrameStar 96 Well Semi-Skirted PCR Plate, ABI Fastplate style, plus Optically clear windowed qPCR seal, 4TI-0910/C plus 4TI-0656, combi pack, 50 plates and seals per case

Specifications

Parameter	Value
Plate length	127.70 ± 0.25 mm
Plate width	85.48 ± 0.25 mm
Plate height	16.70 ± 0.10 mm
Well depth	15.10 ± 0.10 mm
Well diameter	5.50 ± 0.10 mm
Distance to center of A1 from top edge	11.24 ± 0.25 mm
Distance to center of A1 from left edge	14.38 ± 0.25 mm
Pitch (distance between A1 and A2)	9.00 mm

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