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Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
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FrameStar® 96 Well Skirted PCR Plate

Low profile, 0.1ml polypropylene wells, polycarbonate frame, cut corner H1; working volume: <100µl, total well capacity: 200µl

- Available barcoded on request
- Ultra-low DNA binding option available



Overview

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 20µl. The rigid polycarbonate skirt of this design eliminates warping and distortion during PCR, and makes it ideal for use with robotic systems.

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.

Specifications

Parameter	FrameStar 96 Well Skirted PCR Plate
Plate length	127.76 ± 0.25mm
Plate width	85.48 ± 0.25mm
Plate height	16.10 ± 0.25mm
Well depth	15.10 ± 0.10mm
Well diameter	5.50 ± 0.10mm
Total well capacity	0.2ml (200µl)
Working volume	<0.1ml (100µl)
Distance to center of A1 from top edge	11.24 ± 0.25mm
Distance to center of A1 from left edge	14.38 ± 0.25mm
Pitch (distance between A1 and A2)	9.00mm

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