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Ярославль (4852)69-52-93

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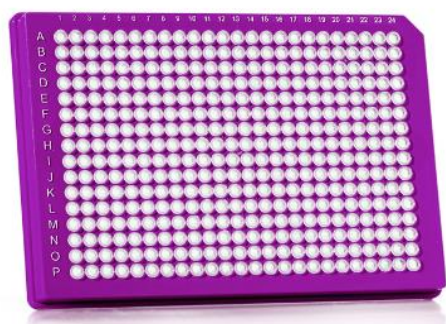
Россия (495)268-04-70

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<https://azenta.nt-rt.ru/> || aez@nt-rt.ru

FrameStar 384 Well PCR Plates

FrameStar® 384 Well Skirted PCR Plate



4ti-0384 | FrameStar 384 Well Skirted PCR Plate | Front

Polypropylene wells, polycarbonate frame, cut corner A24; working volume: <30µl, total well capacity: 55µl; designed for use on standard thermal cyclers

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

Overview

Our FrameStar 384 Well Skirted PCR Plates are designed for high-throughput PCR. They are compatible with the majority of 384 well block PCR, qPCR and sequencing instruments. The rigid 2-component design eliminates warping and distortion during PCR making it ideal for use with robotic systems. The skirt allows for labeling or barcoding.

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**
 - 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
 - <30µl working volume, 55µl 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 the frame
 - Alphanumeric grid reference to aid well and sample identification
- **Use**
 - Recommended for low volume PCR
 - Compatible with standard multichannel pipettes
 - Ideal for use with robotic systems
 - Compatible with the majority of 384 well block PCR, qPCR and sequencing instruments
- **Options**
 - Available with the following frame color options for the clear well variety: purple, blue, clear, green, red, and black
 - Also available as a black frame with white wells (for optimum signal-to-noise ratio when using fluorescent based assays)
 - Available as a black frame with black wells (for minimal light diffusion and interference)
 - Also available as a clear frame with frosted wells for use with ABI®/LifeTechnologies® qPCR instruments
 - Ultra-low DNA binding option available (4ti-LB0147) 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

Specifications

Parameter	FrameStar 384 Well Skirted PCR Plate
Plate length	127.76 ± 0.25mm
Plate width	85.48 ± 0.25mm
Plate height	10.60 ± 0.25mm
Well depth	9.60 ± 0.10mm
Well diameter	3.10 ± 0.10mm

Total well capacity	55µl
Working volume	<30µl
Distance to center of A1 from top edge	8.99 ± 0.25mm
Distance to center of A1 from left edge	12.13 ± 0.25mm
Pitch (distance between A1 and A2)	4.50mm

Compatibility

- **ABI®/LIFE TECHNOLOGIES/THERMO FISHER SCIENTIFIC**
 - **Thermal Cyclers (384 well block):** GeneAmp® 9700 | Verity | Proflex | Multiblock system
 - **qPCR Cyclers (384 well block):** QuantStudio™ 5/6/7/12K | ViiA7™ | 7900 HT FAST
 - **Sequencers (384 well block):** 3100 | 3130XL | 3500 | 3500XL | 3730 | 3730XL
- **AGILENT/STRATAGENE**
 - **Thermal Cyclers (384 well block):** SureCycler 8800
- **ANALYTIK JENA/BIOMETRA**
 - **Thermal Cyclers (384 well block):** Flexcycler2 | T1 Thermocycler | Tadvanced | TProfessional | Trobot 96
 - **qPCR Cyclers (384 well block):** qTOWER3 84/84G
- **BIOER TECHNOLOGIES**
 - **Thermal Cyclers (384 well block):** Gene Touch 384
- **BIO-RAD**
 - **Thermal Cyclers (384 well block):** C1000 Touch | S1000
 - **qPCR Cyclers (384 well block):** CFX384 Touch
- **BIO-RAD MJ RESEARCH**
 - **Thermal Cyclers (384 well block):** PCT200™/220™/221™/225™/240™
- **CORBETT RESEARCH**
 - **Thermal Cyclers (384 well block):** (Qiagen) Palm Cycler 384
- **EPPENDORF**
 - **Thermal Cyclers (384 well block):** MasterCycler® ep 384/Pro 384
- **GE HEALTHCARE/AMERSHAM**
 - **Sequencers (384 well block):** MegaBACE™ 4000
- **PEQLAB/VWR**
 - **Thermal Cyclers (384 well block):** peqSTAR 384X
- **SENSOQUEST**
 - **Thermal Cyclers (384 well block):** Labcycler
- **TECHNE**
 - **Thermal Cyclers (384 well block):** Prime | PrimeG | Prime Elite | Prime Elite Satellite | PCRmax Alpha cycler 1/2/4 | TC412 | TC512 | Genius | Genius Quad | Flexigene

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

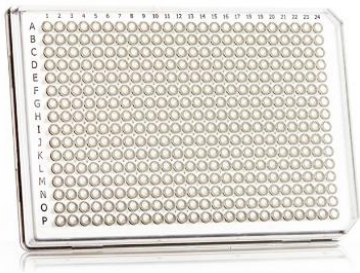
Ordering Information

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

Part number	Description
FrameStar 384 Well Skirted PCR Plate Polypropylene wells, polycarbonate frame, cut corner A24; working volume: <30µl, total well capacity: 55µl; designed for use on standard thermal cyclers	
4ti-0384	clear wells, purple frame; 50 plates
4ti-0384/B	clear wells, blue frame; 50 plates
4ti-0384/C BUY ONLINE*	clear wells, clear frame; 50 plates
4ti-0384/G	clear wells, green frame; 50 plates
4ti-0384/R	clear wells, red frame; 50 plates
4ti-0384/X	clear wells, black frame; 50 plates
4ti-0385	white wells, black frame; 50 plates
4ti-0386	black wells, black frame; 50 plates
4ti-0387	frosted wells, clear frame; 50 plates
4ti-LB0384/C	4ti-0384/C with low DNA binding properties; 50 plates

**Online availability to US only*

FrameStar® 384 Well Skirted PCR Plate, Roche Style



4ti-0380/C | FrameStar 384 Well Skirted PCR Plate, Roche Style | Front

Polypropylene wells, polycarbonate frame, cut corners A24 and P24; working volume: <30µl, total well capacity: 55µl; designed for use on the Roche LightCycler® 480 with 384 well block

- Available barcoded on request

Overview

The dimensions of these plates are designed to achieve optimized assay conditions on the Roche LightCycler® 480, and are in a 384 well format for reaction volumes of up to 30µl. The rigid two-component design eliminates warping and distortion during the PCR process, making it ideal for use with robotic systems.

Key Features

- **Quality**
 - 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
 - <30µl working volume, 55µl 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 Roche LightCycler® 480
 - Recommended for low volume PCR
 - Compatible with standard multichannel pipettes
 - Ideal for use with robotic systems
- **Options**
 - Available as a clear polycarbonate frame with clear polypropylene wells
 - Also available with white wells for optimum signal-to-noise ratio when using fluorescent based assays
 - Available barcoded upon request; learn more about our barcoding options
 - Combi packs available with qPCR Seal (4ti-0560)

Specifications

Parameter	FrameStar 384 Well Skirted PCR Plate, Roche Style
Plate length	127.76 ± 0.25mm
Plate width	85.48 ± 0.25mm
Plate height	10.60 ± 0.25mm
Well depth	9.60 ± 0.10mm
Well diameter	3.00 ± 0.10mm
Total well capacity	55µl
Working volume	<30µl

Distance to center of A1 from top edge	8.99 ± 0.25mm
Distance to center of A1 from left edge	12.13 ± 0.25mm
Pitch (distance between A1 and A2)	4.50mm

Compatibility

- **ROCHE**
 - **qPCR Cyclers (384 well block):** LightCycler® 480

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

Ordering Information

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

Part number	Description
FrameStar 384 Well Skirted PCR Plate, Roche Style Polypropylene wells, polycarbonate frame, cut corners A24 and P24; working volume: <30µl, total well capacity: 55µl; designed for use on the Roche LightCycler® 480 with 384 well block	
4ti-0380/C	clear wells, clear frame; 50 plates
4ti-0381 <u>BUY ONLINE*</u>	white wells, clear frame; 50 plates
Combi packs	
4ti-0382	4ti-0381 + qPCR Seal (4ti-0560); 50 plates + 50 seals
4ti-0383	4ti-0380/C + qPCR Seal (4ti-0560); 50 plates + 50 seals

*Online availability to US only

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