

Axygen[®] Hardshell PCR Microplates

AXYGEN[®]

A Corning Brand

The growth of genomic profiling will be further accelerated by the combination of automation and artificial intelligence (AI). Our new Axygen hardshell PCR microplates have an industry standard footprint enabling the compatibility with automated liquid handlers and most thermal cyclers. Each microplate is engineered to stay warp-free, provide precise positioning for automation, and deliver pressure resistance without distortion. The Axygen brand portfolio provides you with automation-compatible, high-efficiency PCR consumable products that can be used from sample preparation to gene expression analysis to storage.

Features

- ▶ Standard ANSI/SLAS microplate footprint available in 96- and 384-well formats
- ▶ Polycarbonate frame that reduces plate distortion at both high and low temperatures
- ▶ Thin-walled polypropylene wells allowing rapid and efficient heat transfer during PCR
- ▶ Raised rim design to facilitate secure sealing.
- ▶ Manufactured in an ISO 13485 and ISO 8 clean room facility

Benefits

- ▶ **Improved thermal cycling:** The combination of materials enhances thermal performance, resulting in more reliable PCR results.
- ▶ **Easy sample handling:** Sturdy construction prevents distortion and shrinkage and enables efficient sample handling.
- ▶ **Consistent results:** Well-to-well consistency ensures accurate data across experiments.

Ordering Information

Products may not be available in all markets.

Axygen Hardshell PCR Microplates

Cat. No.	Description	Qty/Pk	Qty/Cs
PCR-96-BRF-C-C	96-well PCR microplates, clear PC frame, clear PP tubes, ANSI/SLAS footprint, full skirt	10	50
PCR-96-BRF-B-C	96-well PCR microplates, blue PC frame, clear PP tubes, ANSI/SLAS footprint, full skirt	10	50
PCR-96-EPF-C-C	96-well PCR microplates, clear PC frame, clear PP tubes, ANSI/SLAS footprint, full skirt	10	50
PCR-96-EPF-B-C	96-well PCR microplates, blue PC frame, clear PP tubes, ANSI/SLAS/SLAS footprint, full skirt	10	50
PCR-96-EPS-C-C	96-well PCR microplates, clear PC frame, clear PP tubes, ANSI/SLAS footprint, half skirt	10	50
PCR-96-EPS-B-C	96-well PCR microplates, blue PC frame, clear PP tubes, ANSI/SLAS footprint, half skirt	10	50
PCR-384-FS-C-C	384-well PCR microplates, clear PC frame, clear PP tubes, ANSI/SLAS footprint, universal fit, full skirt	10	50
PCR-384-FS-B-C	384-well PCR microplates, blue PC frame, clear PP tubes, ANSI/SLAS footprint, universal fit, full skirt	10	50



Technical Specifications

Materials	<ul style="list-style-type: none"> • Frame: Polycarbonate (PC) • Wells: Polypropylene (PP)
Thermal	<ul style="list-style-type: none"> • Compatible with temperature ranges of PCR and automatic film sealers
Stability	<ul style="list-style-type: none"> • Minimal thermal expansion for consistent results
Chemical Resistance	Resistant to common laboratory chemicals, including organic solvents and acids
Sealing Options	Versatile design ensures compatibility with most adhesive and heat seals, allowing convenient customization
Certifications	<ul style="list-style-type: none"> • RNase-/DNase-free, endotoxin-free • Non-pyrogenic

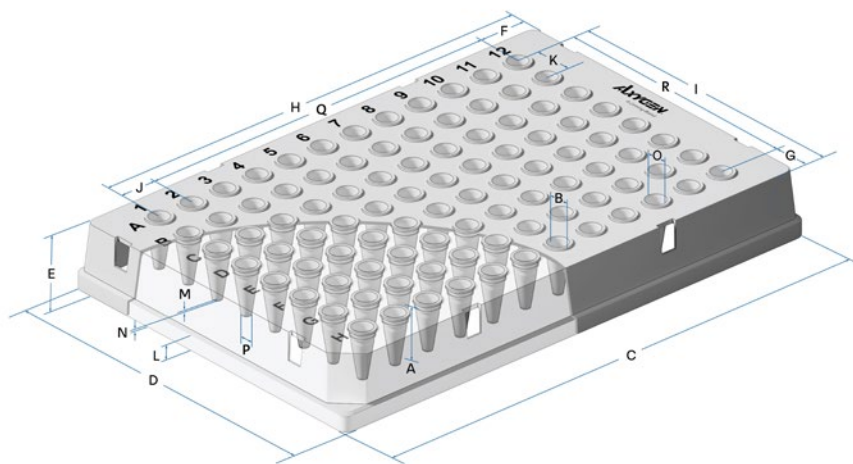


Plate Dimensions

Dimensions are in mm unless otherwise noted.

Cat. No.	Full Skirt	Full Skirt	Half Skirt	Full Skirt
	PCR-96-BRF-C-C PCR-96-BRF-B-C	PCR-96-EPF-C-C PCR-96-EPF-B-C	PCR-96-EPS-C-C PCR-96-EPS-B-C	PCR-384-F5-C-C PCR-384-F5-B-C
Well volume	200 µL	200 µL	330 µL	40 µL
Well depth (A)	14.88	14.60	19.50	9.00
Well diameter (B)	6.20	6.34	6.90	3.80
Plate length (C)	127.76	127.70	123.60	127.76
Plate width (D)	85.48	85.40	82.20	85.48
Plate height (E)	18.10	15.90	20.40	9.70
A1 horizontal offset (F)	14.38	14.35	12.30	12.13
A1 vertical offset (G)	11.24	11.20	9.60	8.99
H12(P24) horizontal offset (H)	113.38	113.35	111.30	115.63
H12(P24) vertical offset (I)	74.24	74.20	72.60	76.49
Center to center horizontal well (J)	9.00	9.00	9.00	4.50
Center to center vertical well (K)	9.00	9.00	9.00	4.50
Flange or skirt height (L)	4.00	5.10	N/A	2.15
Well bottom thickness (M)	0.60	0.70	0.90	0.60
Distance to bottom of plate (N)	0.58	0.60	-12.13	0.10
Well diameter at opening (O)	5.50	5.44	5.44	3.18
Well diameter at bottom of conical section (P)	2.87	2.89	2.98	1.78
Center to center horizontal total well (Q)	99.00	99.00	99.00	103.50
Center to center vertical total well (R)	63.00	63.00	63.00	67.50

Warranty/Disclaimer: Unless otherwise specified, all products are for research use or general laboratory use only.* Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. These products are not intended to mitigate the presence of microorganisms on surfaces or in the environment, where such organisms can be deleterious to humans or the environment. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications. *For a listing of US medical devices, regulatory classifications or specific information on claims, visit www.corning.com/resources.

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Corning Incorporated
Life Sciences

www.corning.com/lifesciences

NORTH AMERICA
t 800.492.1110
t 978.442.2200

ASIA/PACIFIC
Australia/New Zealand
t 61 427286832
Chinese Mainland
t 86 21 3338 4338

India
t 91 124 4604000
Japan
t 81 3-3586 1996
Korea
t 82 2-796-9500
Singapore
t 65 6572-9740
Taiwan
t 886 2-2716-0338

EUROPE
CSEurope@corning.com
France
t 0800 916 882
Germany
t 0800 101 1153
The Netherlands
t 020 655 79 28
United Kingdom
t 0800 376 8660

All Other European Countries
t +31 (0) 206 59 60 51

LATIN AMERICA
grupoLA@corning.com

Brazil
t 55 (11) 3089-7400
Mexico
t (52-81) 8158-8400