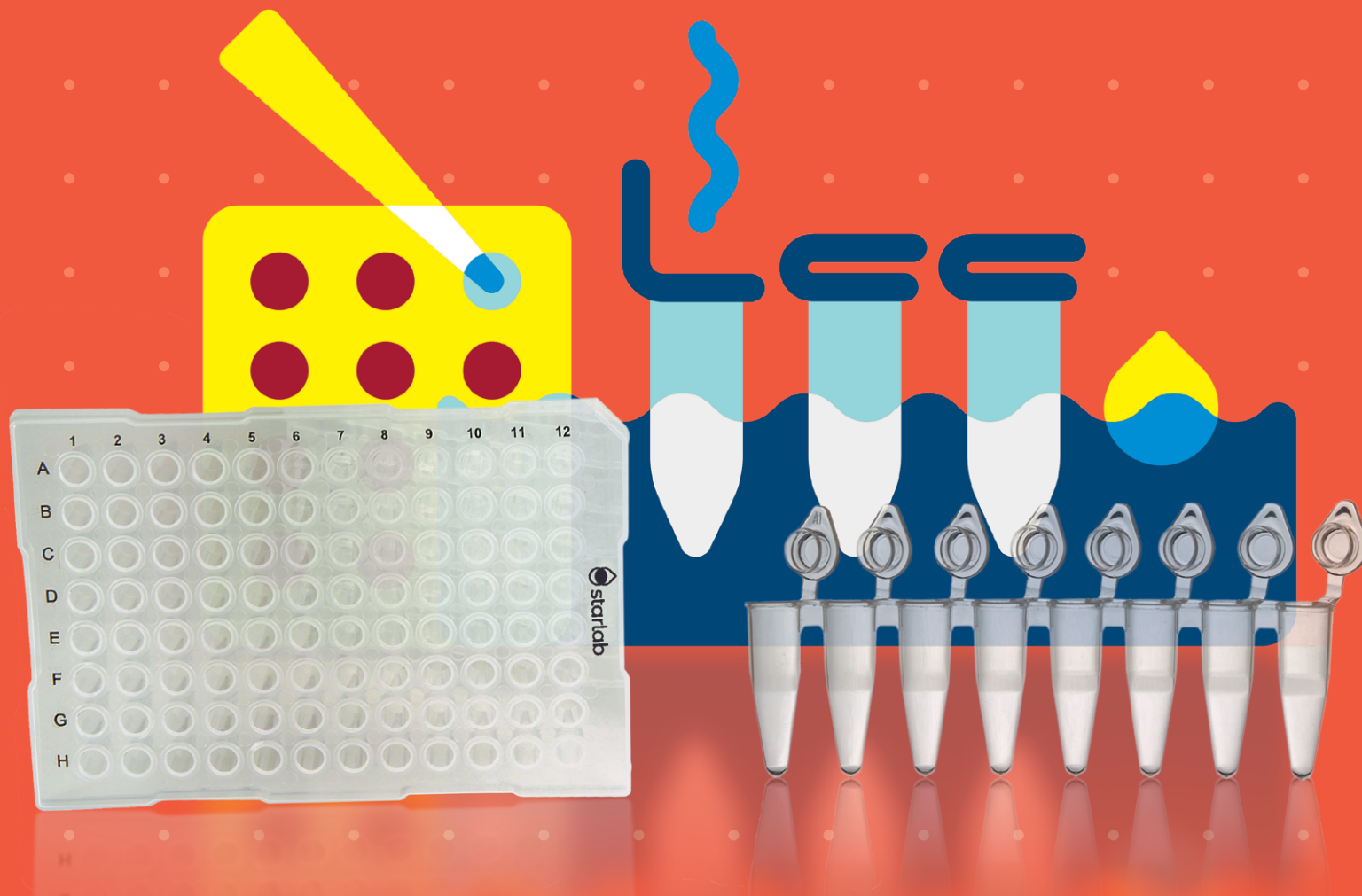


# Starlab PCR Consumables.

WE'RE IN THE MIDDLE OF YOUR CHAIN REACTION



Passionate for science.



# Starlab PCR Consumables.

## SCIENCE IS IN THE DNA OF YOUR PCR CONSUMABLES

Starlab are liquid handling experts. We have become a recognised name as a manufacturer and supplier of high quality plastic consumables for a wide range of applications in liquid handling, such as the TipOne® pipette tip system and ErgoOne® pipettes.

Our range of PCR consumables carries on the tradition of quality, with a range of products for all your PCR and qPCR application needs:

- PCR Tubes & Strips
- PCR Plates
- Seals for PCR
- PCR Cooler Racks & Storage Solutions
- Equipment used for PCR

## Discover Starlab's range of PCR Consumables

Designed for optimal performance, Starlab's range of consumables for PCR is compatible with a wide range of cyclers. Starlab's PCR Consumables are precision manufactured for optimal fit and cycling performance, which result in thin walls, and plate and tube uniformity across batches to minimise variability.

Alongside the usual tubes, strips, plates and plate sealing, Starlab also offers a range of cooling and work racks designed specifically to aid your PCR tasks. Avoid the risk of cross-contamination with the GuardOne® Workstation to protect your valuable samples, and use the Mixer HC to heat or cool and mix in one easy to use compact unit that will help simplify your PCR workflow.



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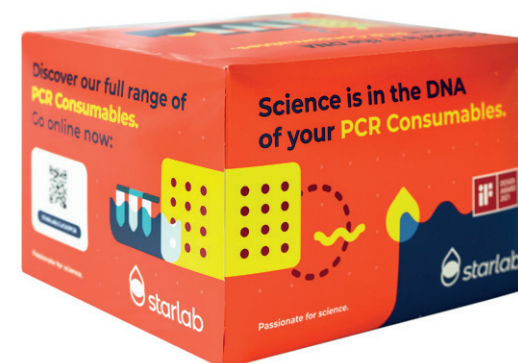
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# PCR tubes.

## SINGLE PCR TUBES

- Ultra-thin, uniform walls ensure optimal heat transfer
- Choice of cap styles: domed, flat, or Xtra-Clear for qPCR
- Positive click on closing provides assurance the tubes are securely closed
- Supplied in resealable bags to minimise contamination risk
- Compatible with most thermal cyclers
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free



Natural

## SHIELDED CAPS!

These tubes have an integral shield on the cap which prevents accidental finger contamination with the surface of the lid.



### 0.2 ml PCR Tubes with Shielded Caps

Cap Style	Colour	Pack Size	Article No.
Domed Shielded Cap	Natural	1000	<b>S1602-4300</b>
Flat Shielded Cap	Natural	1000	<b>B1402-5500</b>

Above tubes are certified free of RNase, DNase, DNA and Pyrogens.

**C** Order by the case (x10 packs).

### 0.2 ml PCR Tubes

Volume	Cap Style	Colour	Pack Size	Article No.
0.2 ml	Domed Cap	Natural	1000	<b>I1402-4300</b> <b>C</b>
0.2 ml	Domed Cap	Mixed <sup>1)</sup>	5 x 200	<b>I1402-4308</b>
0.2 ml	Flat Cap	Natural	1000	<b>I1402-8100</b> <b>C</b>
0.2 ml	Flat Cap	Mixed <sup>1)</sup>	5 x 200	<b>I1402-8108</b> <b>C</b>
0.2 ml	Flat Cap (Xtra-Clear)	Natural	1000	<b>I1402-8200</b>

<sup>1)</sup>Mixed packs contain: blue, green, red, violet and yellow.

### 0.5 ml PCR Tubes

Volume	Cap Style	Colour	Pack Size	Article No.
0.5 ml	Domed Cap	Natural	1000	<b>I1405-8200</b> <b>C</b>
0.2 ml	Flat Cap	Natural	1000	<b>I1405-8100</b> <b>C</b>
0.5 ml	Flat Cap	Mixed <sup>1)</sup>	5 x 200	<b>I1405-8108</b> <b>C</b>

<sup>1)</sup>Mixed packs contain: blue, green, red, violet and yellow.



[www.starlab.click/pcrtubes](http://www.starlab.click/pcrtubes)



Mixed packs

## WALL THICKNESS AND HEAT TRANSFER

PCR protocols with different temperature gradients require fast and uniform heat transfers between the cycler thermoblock and the PCR sample. The ultra-thin, uniform walls of Starlab's PCR tubes ensures optimal heat transfer.

# PCR strips.

## MIX & MATCH, TUBE & CAP STRIPS

- Ultra-thin, uniform walls ensure optimal heat transfer
- Tube strips can be cut or snapped into smaller strips
- Opaque white tubes for qPCR show low auto-fluorescence with chemiluminescence detectors
- White tubes also increase signal yield
- Cap strips can also be used to seal Starlab PCR Plates
- Supplied in resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free

### TUBE CAPACITIES

**0.1 ml Low-Profile** strips for use in cyclers with low-profile capability only.

**0.2 ml** Standard Strips for use in the majority of cyclers.



[www.starlab.click/pcrstrips](http://www.starlab.click/pcrstrips)



### 8-Strip Caps

Cap Style	Colour	Pack Size	Article No.
Domed	Natural	125	<b>I1400-0800</b> <b>C</b>
Domed	Mixed <sup>1)</sup>	5 x 25	<b>I1400-0808</b>
Flat (Xtra-Clear)	Natural	125	<b>I1400-0900</b> <b>C</b>

<sup>1)</sup>Mixed packs contain: blue, green, red, violet and yellow.



### 8-Strip Tubes

Tube Volume	Colour	Pack Size	Article No.
0.1 ml Low-Profile	Natural	125	<b>I1402-3600</b>
0.1 ml Low-Profile	White	125	<b>I1402-3609</b>
0.2 ml	Natural	125	<b>I1402-3500</b> <b>C</b>
0.2 ml	Mixed <sup>1)</sup>	5 x 25	<b>I1402-3508</b>
0.2 ml	White	125	<b>I1402-3509</b>

<sup>1)</sup>Mixed packs contain: blue, green, red, violet and yellow.



### 12-Strip Caps

Cap Style	Colour	Pack Size	Article No.
Domed	Natural	80	<b>I1400-1200</b> <b>C</b>
Domed	Mixed <sup>1)</sup>	5 x 16	<b>I1400-1208</b>
Flat (Xtra-Clear)	Natural	80	<b>I1400-1290</b> <b>C</b>

<sup>1)</sup>Mixed packs contain: blue, green, red, violet and yellow.



### 12-Strip Tubes

Tube Volume	Colour	Pack Size	Article No.
0.2 ml	Natural	80	<b>I1402-1200</b> <b>C</b>
0.2 ml	Mixed <sup>1)</sup>	5 x 16	<b>I1402-1208</b>

<sup>1)</sup>Mixed packs contain: blue, green, red, violet and yellow.

**C** Order by the case (x10 packs).

## 8-STRIP COMBO PACKS BUY YOUR CAP AND TUBE STRIPS TOGETHER!

Simpler inventory!

Only one Article No. to order.

Easier traceability!

Only one Lot No. to record.

And always have the right amount of caps for your tubes.

### Tube & Cap Combo Packs

Tube Volume / Colour	Cap Style	Pack Size	Article No.
0.1 ml Low-Profile, Natural	Flat, Xtra-Clear	125 pairs	<b>I1402-4700</b>
0.1 ml Low-Profile, White	Flat, Xtra-Clear	125 pairs	<b>I1409-4700</b>
0.2 ml, Natural	Domed	125 pairs	<b>I1402-6700</b> <b>C</b>
0.2 ml, Natural	Flat, Xtra-Clear	125 pairs	<b>I1402-5700</b> <b>C</b>
0.2 ml, White	Flat, Xtra Clear	125 pairs	<b>I1409-5700</b>

Tube and cap strips are supplied non-assembled, in separate bags.

# PCR strips.

## ATTACHED CAPS AND CAP STRIPS HELP TO ELIMINATE CROSS-CONTAMINATION

- Ultra-thin, uniform walls ensure optimal heat transfer
- Cuttable! Tube strips can be cut or snapped into smaller strips
- Opaque white tubes and Xtra-Clear caps for qPCR
- Supplied in resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free



### PCR Strips with Individually Attached Caps

Tube Volume / Colour	Cap Style	Pack Size	Article No.
0.1 ml 8-Strip, Low-Profile, Natural	Ind-Attached Flat Caps (Xtra-Clear)	120	A1402-3800
0.2 ml 8-Strip, Natural	Ind-Attached Domed Caps	120	I1402-2900 <b>C</b>
0.2 ml 8-Strip, Mixed	Ind-Attached Domed Caps	5 x 24	I1402-2908
0.2 ml 8-Strip, Natural	Ind-Attached Flat Caps (Xtra-Clear)	120	A1402-3700 <b>C</b>

<sup>1)</sup> Mixed pack contains: blue, green, red, violet and yellow.



### PCR Strips with Attached Cap Strip

Tube Volume / Colour	Description	Pack Size	Article No.
0.2 ml 8-Strip, Natural	Attached Domed Cap Strip	125	I1402-2800 <b>C</b>
0.2 ml 8-Strip, Natural	Attached Flat Cap Strip (Xtra-Clear)	125	I1402-2700 <b>C</b>
0.2 ml 8-Strip, White	Attached Flat Cap Strip (Xtra-Clear)	125	I1409-2700

**C** Order by the case (x10 packs).

#### WHITE TUBES WITH XTRA-CLEAR CAPS

White tubes to maximise reflectance for enhanced signal, combined with Xtra-Clear caps for optimal signal transmission and detection. Ideal for qPCR.

#### TUBE CAPACITIES

**0.1 ml Low-Profile** Strips for use in cyclers with low-profile capability only.

**0.2 ml** Standard Strips for use in the majority of cyclers.

## STRONGER STRIPS FOR EASIER HANDLING!

Non-Flex PCR strips have a rigid triple link between each tube to provide more stability for easier and faster handling.

- 8-Strip 'Non-Flex' strips with rigid triple-link between each tube
- Ultra-thin, uniform walls ensure optimal heat transfer
- Triple link, non-flex design for easier handling
- Xtra-Clear caps for qPCR
- The individually attached caps are set at an angle which allows the tubes to be nested together in racks etc without interfering with one another
- Supplied in resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free



### Non-Flex 8-Strip PCR Tubes with Individually Attached Caps

Tube Volume / Colour	Cap Style	Pack Size	Article No.
0.1 ml Low-Profile, Natural	Flat Caps (Xtra-Clear)	120	I1402-3800
0.1 ml Low-Profile, White	Flat Caps (Xtra-Clear)	120	I1409-3800
0.2 ml Natural	Flat Caps (Xtra-Clear)	120	I1402-3700 <b>C</b>
0.2 ml Mixed <sup>1)</sup>	Flat Caps (Xtra-Clear)	120	I1402-3708
0.2 ml White	Flat Caps (Xtra-Clear)	120	I1409-3700

<sup>1)</sup> Mixed pack contains: blue, green, red, violet and yellow.

**C** Order by the case (x10 packs).



Integral shield on the cap prevents accidental finger contamination with the surface of the lid.

### Strips with Individually Attached Shielded Caps

Description	Colour	Pack Size	Article No.
0.2 ml 8-Strip PCR Tube, Individually Attached Domed Shielded Caps <sup>1)</sup>	Natural	120	S1602-2900

<sup>1)</sup> These tubes are certified RNase, DNase, DNA and Pyrogen free.



 [www.starlab.click/pcrstrips](https://www.starlab.click/pcrstrips)



# Rotor-Gene® style strips & discs.

## ROTOR-GENE® STYLE PCR STRIPS

0.1 ml 4-strip tubes/caps for use with the **Qiagen Rotor-Gene® Q** Real-Time PCR Cycler. Certified free of RNase, DNase, DNA and PCR Inhibitors. Tested Pyrogen free. Supplied in convenient, resealable bags.



### Rotor-Gene® Style PCR Strips

Description	Colour	Pack Size	Cat. No
0.1 ml 4-Strip Rotor-Gene® Style Tubes and Caps	Natural	250	<b>I1402-0400</b>

## ROTOR-GENE® STYLE DISCS

Rotor-Gene® Style Discs specially made to be used with the **Qiagen Rotor-Gene® Q** Real-Time Rotary Analyzer. They act like a one-piece circular plate with vertically oriented wells for high-throughput use for automated reaction set-up.



One pack of **72-well discs** provides 1728 reactions



One pack of **100-well discs** provides 3000 reactions

### Rotor-Gene® Style Discs

Description	Pack Size	Article No.
Rotor-Gene® Style Discs: 72 x 100 µl Tubes	24 discs	<b>I1402-0500</b>
Rotor-Gene® Style Discs: 100 x 25 µl Tubes	30 discs	<b>I1402-0600</b>

## Product features

- Alpha-numeric matrix to aid orientation
- Certified free of RNase, DNase, DNA and Pyrogens
- Supplied individually-wrapped

### 72-WELL DISC OF 100 µL TUBES

for use with the original Rotor-Disc 72 Rotor and Rotor-Disc 72 Locking Ring (recommended reaction volume 20 – 25 µl)

### 100-WELL DISC OF 25 µL TUBES

for use with the original Rotor-Disc 100 Rotor and Rotor-Disc 100 Locking Ring (recommended reaction volume 15 – 20 µl)



[www.starlab.click/rotor-gene](http://www.starlab.click/rotor-gene)



# Your perfect partners for PCR.

## TipOne® FILTER TIPS

TipOne® tips are manufactured from pure, virgin polypropylene to ensure the highest quality product. The flexible tip collar fits all popular pipettes, even those with worn tip holders! Thin-wall technology ensures a perfect seal while also reducing the loading and ejection forces.

## EXCELLENT FILTER

The TipOne® filter is one of the best on the market and protects against aerosol cross-contamination without trapping your valuable samples. The filters contain no additives to interfere with samples.

## PURE QUALITY

All TipOne® filter tips are sterile and validated according to EN ISO 11137-2:2007 and certified RNase, DNase, DNA and pyrogen free.

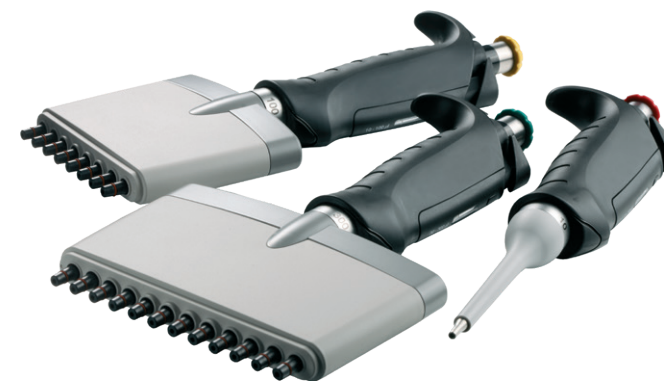


[www.starlab.click/tipone](http://www.starlab.click/tipone)

## ErgoOne® PIPETTES

Reliability is key in the laboratory and your pipette must be trusted to perform well – day in, day out. ErgoOne® pipettes have it all – the accuracy and precision you need, and a stylish look you will love.

Lightweight and easy to use, ErgoOne® can be trusted to provide accurate and precise pipetting all day, every day. Use with Starlab's TipOne® pipette tips for the perfect pipetting partnership.

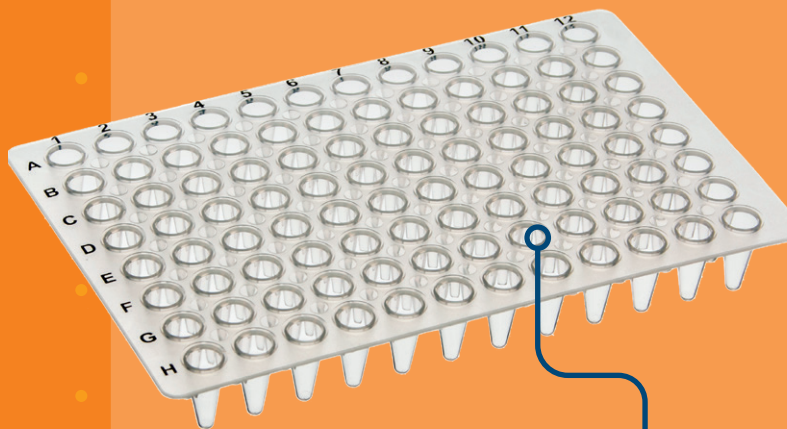


[www.starlab.click/ergoone](http://www.starlab.click/ergoone)

# Non-skirted PCR plates.

## UNIVERSAL FIT!

- Ultra-thin, uniform wells ensure optimal heat transfer and high reaction efficiency
- Highly visible black printed matrix
- Well ridges help prevent sample evaporation when sealed with films, foils or cap strips (excl. B1402-0595)
- Opaque white plates for qPCR show low auto-fluorescence with chemiluminescence detectors
- White plates also increase signal yield
- Supplied in convenient, resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free



E1403-0200



### WALL THICKNESS AND HEAT TRANSFER


PCR protocols with different temperature gradients require fast and uniform heat transfers between the cycler thermoblock and the PCR sample. The ultra-thin and uniform well walls of Starlab's PCR plates ensures optimal heat transfer.



96-Well PCR Plate,  
Non-Skirted, Low-Profile (H12)

### Low-Profile Plate

Colour	Pack Size	Article No.
Natural	20	E1403-0200 
White	20	E1403-0209 

 Order by the case (x10 packs).





[www.starlab.click/pcrplates](https://www.starlab.click/pcrplates)



96-Well PCR Plate,  
Non-Skirted (A12)


#### Standard Height Plate

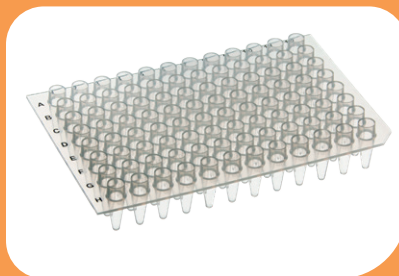
Colour	Pack Size	Article No.
Natural	10	<b>E1403-1200</b> 
White	10	<b>E1403-1209</b> 

#### Cuttable PCR plate

This plate is made to the same specification as the standard height plates above, but is more pliable and can easily be cut into any desired configuration with normal scissors.

#### Standard Height, Cuttable Plate

Colour	Pack Size	Article No.
Natural	10	<b>E1403-0100</b> 



#### Plates with Elevated Wells

Wells	Colour	Pack Size	Article No.
96 (H12)	Natural	10	<b>E1403-2200</b>
48	Natural	20	<b>E1403-3200</b>
24	Natural	40	<b>E1403-4200</b>



96-Well PCR Plate,  
Non-Skirted, Flat Surface (H12)

#### Standard Height Plate

Colour	Pack Size	Article No.
Natural	10	<b>B1402-0595</b>
Moulded matrix. Certified RNase, DNase, DNA & Pyrogen free.		

#### PLATE CAPACITIES:

Approx. maximum capacity, 96-well plates:

**Low-profile plates:** 200 µl

**Standard height plates:** 350 µl

DOES OUR PLATE FIT YOUR  
CYCLER?



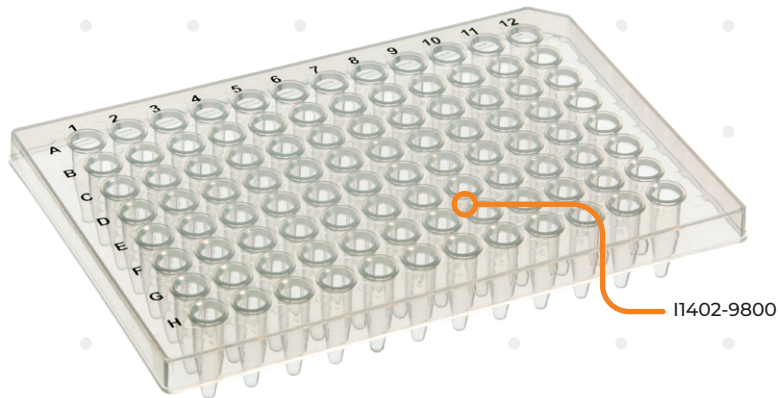
 [www.starlab.click/pcr-compatibility](https://www.starlab.click/pcr-compatibility)



# Semi-skirted PCR plates.

## HALF SKIRT. FULL QUALITY.

- Made from medical polypropylene
- Ultra-thin, uniform wells ensure optimal heat transfer and high reaction efficiency
- Highly visible black printed matrix
- Well ridges help prevent sample evaporation when sealed with films, foils or cap strips
- Opaque white plates for qPCR show low auto-fluorescence with chemiluminescence detectors
- White plates increase signal yield
- Supplied in convenient, resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free



96-Well PCR Plate, Semi-Skirted, Low-Profile (A12)

### Low-Profile Plate

Colour	Pack Size	Article No.
Natural	10	<b>E1403-6200</b>

Order by the case (x10 packs).



96-Well PCR Plate, Semi-Skirted (A12)

### Standard Height Plate

Colour	Pack Size	Article No.
Natural	10	<b>I1402-9700</b>
Blue	10	<b>I1402-9701</b>
White	10	<b>I1402-9709</b>
Mixed <sup>1)</sup>	10	<b>I1402-9799</b>

<sup>1)</sup> Mixed pack contains: blue, green, red, violet and yellow.

### WALL THICKNESS AND HEAT TRANSFER

PCR protocols with different temperature gradients require fast and uniform heat transfers between the cyclor thermoblock and the PCR sample. The ultra-thin and uniform well walls of Starlab's PCR plates ensures optimal heat transfer.



[www.starlab.click/pcrplates](https://www.starlab.click/pcrplates)

#### PLATE CAPACITIES:

Approx. maximum capacity, 96-well plates:

**Low-Profile:** 200 µl

**Standard height:** 350 µl



96-Well PCR Plate, Semi-Skirted, Straight Edges (A12)



96-Well PCR Plate, Semi-Skirted, for Roche LightCycler® (H12)





96-Well PCR Plate, Semi-Skirted, Raised Rim, (A12)




96-Well PCR Plate, Semi-Skirted, Raised Rim, Low-Profile (for FAST® Systems) (A1)


#### Plate with Straight Edges

Colour	Pack Size	Article No.
Natural	10	I1402-9800 
White	10	I1402-9809 



#### Plate for Roche LightCycler®

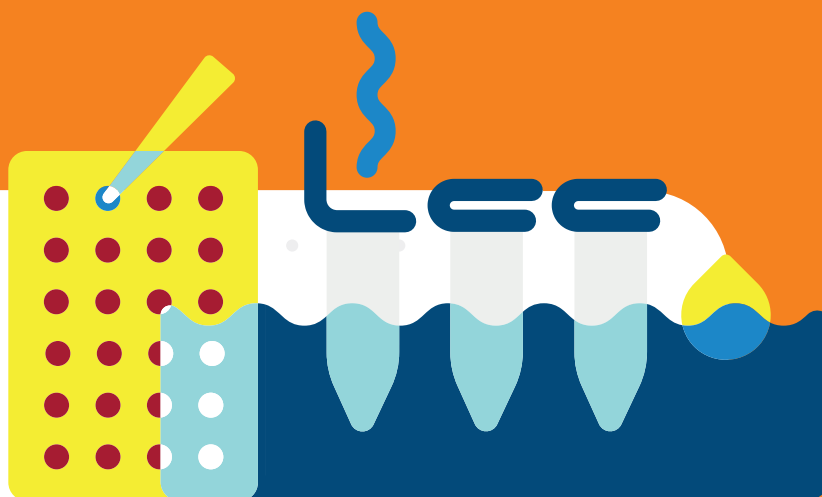
Colour	Pack Size	Article No.
White	10	I1402-9909 

#### TAQMan®-Style Plate

Colour	Pack Size	Article No.
Natural	10	E1403-8200 

#### Low-Profile Plate for FAST® Systems

Colour	Pack Size	Article No.
Natural	10	E1403-7700 
White	10	E1403-7709 



#### DOES OUR PLATE FIT YOUR CYCLER?

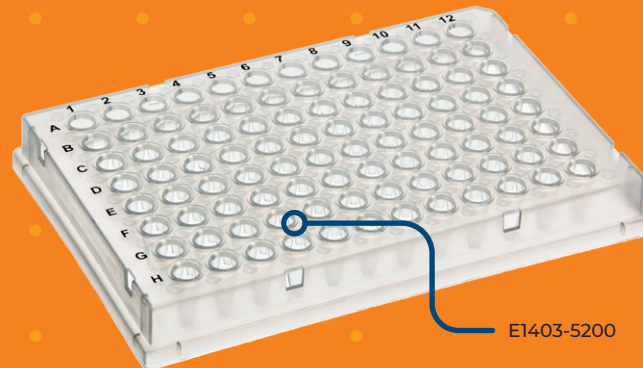


 [www.starlab.click/pcr-compatibility](https://www.starlab.click/pcr-compatibility)

# Skirted PCR plates.

## SKIRTED PCR PLATES

- Holes on sides for robotic handling
- Opaque white plates for qPCR show low auto-fluorescence with chemiluminescence detectors
- White plates also increase signal yield
- Supplied in convenient, resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Endotoxin-free



### 96-Well PCR Plate, Low-Profile (A12)

#### 96-Well, Low-Profile

Colour	Pack Size	Article No.
Natural	10	E1403-5200
White	10	E1403-5209

Black printed matrix.

#### PLATE CAPACITIES:

**96-well low-profile plate:** 200 µl

**384-well** stated volumes are approximate.



**384-Well PCR Plate, ABI®/Universal Style, Skirted (A24)**

#### ABI®/Universal Style

Colour	Pack Size	Article No.
Natural	10	E1042-3840
White	10	E1042-3849

Black printed matrix.



**384-Well PCR Plate for Roche LightCycler®, Skirted (A24, P24)**

#### Roche LightCycler®

Colour	Pack Size	Article No.
White	10	E1042-9909

Black printed matrix.



E1042-2500

### 384-Well PCR Plates with Moulded Matrix

#### 384-Well Plate, 40 µl (AP24, P24)

Colour	Pack Size	Article No.
Natural	10	E1042-2500

Moulded matrix.

#### 384-Well Plate, 50 µl (A24)

Colour	Pack Size	Article No.
Natural	10	E1042-3000

Moulded matrix.

Order by the case (x10 packs).



[www.starlab.click/pcrplates](http://www.starlab.click/pcrplates)



# Barcoded PCR plates.



E1403-5200

1019723



Images for illustrative purposes only.

## BARCODED PCR PLATES

- Code 128 Barcoding plus human-readable number
- All barcodes seven digits long
- Low, minimum ordering quantity
- Opaque white plates for qPCR show low auto-fluorescence with chemiluminescence detectors. White plates also increase signal yield
- Supplied in convenient, resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA & PCR Inhibitors
- Tested Pyrogen free

### 96-Well Semi-Skirted Barcoded PCR Plates

Description (Cut Corner)	Colour	Pack Size	Article No.
96-Well PCR Plate, Semi-Skirted, Straight Edges, with Barcode (A12)	Natural	10x10	I1402-9800-BC
96-Well PCR Plate, Semi-Skirted, for Roche® Lightcycler, with Barcode (H12)	White	10x10	I1402-9909-BC
96-Well PCR Plate, Semi-Skirted, Raised Rim, with Barcode (A12)	Natural	10x10	E1403-8200-BC

### 96-Well Skirted Barcoded PCR Plates

Description (Cut Corner)	Colour	Pack Size	Article No.
96-Well PCR Plate, Skirted, Low-Profile, with Barcode (A12)	Natural	10x10	E1403-5200-BC

### 384-Well Skirted Barcoded PCR Plates

Description (Cut Corner)	Colour	Pack Size	Article No.
384-Well PCR Plate, ABI/Universal-Style, Skirted, with Barcode (A24)	Natural	10x10	E1042-3840-BC
384-Well PCR Plate for Roche Lightcycler®, Skirted, with Barcode (A24/P24)	Natural	10x10	E1042-9900-BC

#### Need a custom barcode?

Speak to your Account Manager today – we can organise that for you.



DOES OUR PLATE FIT YOUR CYCLER?



[www.starlab.click/pcr-compatibility](http://www.starlab.click/pcr-compatibility)



# PCR plate sealing.

 [www.starlab.click/pcrseals](http://www.starlab.click/pcrseals)



## Seals for PCR

## Seals for qPCR

### COLOUR KEY

- Self-Adhesive Seal
- Heat Seal

Ordering Info:	Seals for PCR										Seals for qPCR		
	Aluminium Seal (PCR)	Aluminium Sealing Foil (PCR)	Thick (60 µm) Aluminium Seal (PCR)	Aluminium StarSeal (PCR)*	Polyester Sealing Film (PCR)	Polypropylene Sealing Film Strips (PCR)	Clear Polypropylene Seal (PCR)	Clear Polyolefin StarSeal (PCR)*	Peelable Film (PCR)	Easy Pierce Film (PCR)	Optically Clear Film (qPCR)	Xtra-Clear Advanced Polyolefin StarSeal (qPCR)*	Xtra-Clear Polyolefin Seal (qPCR)**
	<b>E2796-1270</b>	<b>E2796-1100</b>	<b>E2796-0792</b>	<b>E2796-9792</b>	<b>E2796-0100</b>	<b>E2796-2850</b>	<b>E2796-0793</b>	<b>E2796-9793</b>	<b>E2796-3060</b>	<b>E2796-3090</b>	<b>E2796-3020</b>	<b>E2796-9795</b>	<b>E2796-9895</b>
	100 Seals	100 Seals	100 Seals	100 Seals	100 Seals	200 Strips	100 Seals	100 Seals	25 Seals	25 Seals	100 Seals	100 Seals	100 Seals
Colour	Silver	Silver	Silver	Silver	Clear	Clear	Clear	Clear	White	Silver	Clear	Clear	Clear
Opaque	✓	✓	✓	✓					✓	✓			
Optically clear					✓	✓	✓	✓			✓	✓	✓
Superior optical clarity											✓	✓	✓
Suitable for PCR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Suitable for Real-Time PCR (qPCR)											✓	✓	✓
Long-term storage and incubation <sup>1)</sup>									✓	✓	✓		✓
Easy to pierce with needle, metal probe or pipette tip	✓	✓	✓	✓			✓			✓			
Low 'tack to touch' adhesive <sup>2)</sup>												✓	✓
Low auto-fluorescence								✓				✓	✓
Resistant to DMSO	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓
Certified	✓ <sup>3)</sup>	✓ <sup>4)</sup>		✓ <sup>5)</sup>	✓ <sup>4)</sup>	✓ <sup>4)</sup>		✓ <sup>4)</sup>				✓ <sup>5)</sup>	✓ <sup>4)</sup>
Plate type compatibility	PP, PS, PC, PE	PP, PS, PC	PP, PS, PC, PE	PP, PS, PC	PP, PS, PC, PE	PP	PP, PS, PC, PE	PP, PS, PC	PP, PE	PP, PE	PP, PS, PE	PP, PS, PC	PP, PS, PC
Minimum temp. use	-80 °C	-80 °C	-80 °C	-70 °C*	-40 °C	-40 °C	-80 °C	-70 °C*	-200 °C	-80 °C	-80 °C	-70 °C*	-80 °C*
Maximum temp. use	120 °C	120 °C	120 °C	110 °C	120 °C	120 °C	120 °C	110 °C	90 °C	80 °C	120 °C	110 °C	105 °C

\*StarSeals have a minimum temperature use specification of -70 °C but they can be used at -80 °C for short-term storage.

\*\*Each pack includes a Seal Applicator.

<sup>1)</sup>All seals are suitable for short term storage.

<sup>2)</sup>Low tack to touch adhesive does not feel sticky when handled. The adhesive is pressure sensitive and bonds to the plate only when pressure is applied.

<sup>3)</sup>RNase, DNase & Pyrogen free <sup>4)</sup>RNase & DNase free <sup>5)</sup>RNase, DNase, DNA & Pyrogen free

Plate compatibility: PP = polypropylene PS = polystyrene PC = polycarbonate PE = polyethylene

### Real-Time PCR (qPCR)

Always check that both the plate and the sealing option are suitable for Real-Time PCR applications. Only seals with superior optical clarity can be used for Real-Time applications.

## PCR strip caps



### 8-Strip Caps

Description	Colour	Pack Size	Article No.
8-Strip PCR Caps, Domed	Natural	125	<b>I1400-0800</b>
8-Strip PCR Caps, Domed	Mixed <sup>1)</sup>	5 x 25	<b>I1400-0808</b>
8-Strip PCR Caps, Flat (Xtra-Clear)	Natural	125	<b>I1400-0900</b>

Certified free of RNase, DNase, DNA and PCR Inhibitors. Tested Pyrogen free.

<sup>1)</sup> Mixed pack contains: blue, green, red, violet and yellow.



### 12-Strip Caps

Description	Colour	Pack Size	Article No.
12-Strip PCR Caps, Domed	Natural	80	<b>I1400-1200</b>
12-Strip PCR Caps, Domed	Mixed <sup>1)</sup>	5 x 16	<b>I1400-1208</b>
12-Strip PCR Caps, Flat (Xtra-Clear)	Natural	80	<b>I1400-1290</b>

Certified free of RNase, DNase, DNA and PCR Inhibitors. Tested Pyrogen free.

<sup>1)</sup> Mixed pack contains: blue, green, red, violet and yellow.

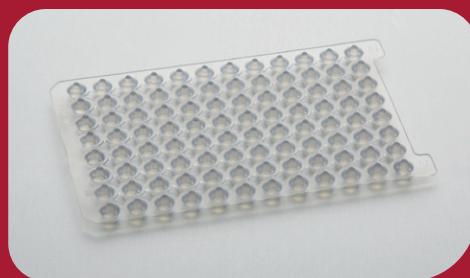
Order by the case (x10 packs).

### SEALING PCR PLATES WITH CAP STRIPS

Strip caps provide the convenience of unsealing one row of wells on a plate at the same time. Flat caps enable labelling while domed caps provide the most secure seal when using thermal cyclers with a screw down lid. Use the flat, Xtra-Clear strip caps for Real Time PCR (qPCR), as these caps allow fluorescence signal to pass through.

Cap strips can be used on all Starlab 96-well plates except B1402-0595.

## Sealing mat



### Silicone Sealing Mat (Autoclavable)

Colour	Pack Size	Article No.
Natural	5	<b>E1403-0000</b>

Certified free of RNase, DNase, DNA and PCR Inhibitors. Tested Pyrogen free. Not suitable for qPCR.

### SILICONE SEALING MAT (AUTOCLAVABLE)

Reusable, ultra-flexible and piercable silicone mat for 96-well PCR Plates. Especially suitable for thermal cyclers with pressure-fit lids. Can be cut to size for use with 24, 32 or 48-well plates. The non-reactive rubber will withstand repeated autoclaving, extreme temperatures and aggressive chemicals.

## Sealing accessories



### SEAL APPLICATOR

Polyethylene applicator for use with self-adhesive plate seals.

**I2928-7355 (pack of 5)**



### SEALING BRAYER

Soft rubber roller for use with self-adhesive plate seals.

**E9127-2940 (each)**

# PCR sample handling.

## StarPCR Work Rack



### Description

96-place polypropylene rack for use with:  
1 x 96-well PCR plate or 0.2 ml PCR tubes or strips  
Positive snap-in transparent lid guarantees safe closure.  
Stackable with or without lid. Suitable for use down to -90 °C  
Dimensions (WxDxH): 138 x 98 x 39 mm (with lid)  
**Note:** Not autoclavable

### Colour

Mixed  
(contains one each of Blue, Green, Red, Violet, Yellow)

### Pack Size

5

### Article No.

**E2396-5240**

## Double-Sided PCR Work Rack



Hinged lid!

### Description

Double-sided polypropylene rack suitable for use with:  
168 x 0.2 ml PCR tubes AND 12 x 1.5 ml PCR tubes on one side, 40 x 0.5 ml PCR tubes AND 12 x 1.5 ml PCR tubes on the other.  
Detachable, transparent hinged lid.  
Temperature use: -90 °C to 121 °C. Autoclavable.  
Dimensions (WxDxH): 206 x 131 x 54 mm (with lid).

### Colour

Mixed  
(contains one each of Blue, Green, Orange Pink, Yellow)

### Pack Size

5

### Article No.

**E2396-0599**

Tubes not included.

## PCR Lock Rack



### Description

Polypropylene racks which lock together to make a larger rack. Each colour section holds:  
24 x 1.5 / 2.0 ml tubes  
16 x 0.5 ml tubes  
60 x 0.2 ml tubes  
1 x 96-Well PCR plate (two sections locked together).  
Transparent lid fits over two sections locked together.  
Dimensions (WxDxH): 133 x 107 x 56 mm (2 sections with lid).

### Colour

Yellow, Blue, Green & Red

### Pack Size

4 Racks,  
2 Lids

### Article No.

**E2344-2099**

Tubes not included.



## TwisStar

### Description

#### TwisStar

Comprises four different coloured polypropylene sections that can be rotated and locked together to achieve various configurations for holding different tubes and a PCR plate.

Suitable for use with:

50 ml tubes (max. 30 mm ø)	2 tubes per section
15 ml tubes (max. 18 mm ø)	8 tubes per section
1.5 / 2.0 ml tubes (max. 11 mm ø)	12 tubes per section
0.5 ml tubes (max. 8.0 mm ø)	6 tubes per section
PCR Plate	1 plate across 2 sec.
8-Tube PCR Strips	6 strips per section
12-Tube PCR Strips	8 strips across 2 sec.
0.2 ml PCR Tubes	48 tubes per section

Dimensions (WxDxH): 257 x 108 x 108 mm (combined)  
69 x 108 x 108 mm (individual section)

Plate / tubes not included.

### Colour

Yellow, Blue, Green & Red

### Pack Size

1

### Article No.

**E2344-1099**



[www.starlab.click/pcrsampleracks](http://www.starlab.click/pcrsampleracks)

## PCR Workstation Racks



### Description

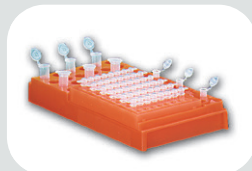
#### Rack A only (Satellite Rack)

96-place polypropylene rack to hold:  
0.2 ml PCR tubes / strips or 1 x 96-well PCR plate.  
Each rack supplied with its own transparent, lift-off lid.  
Dimensions (WxDxH): 127 x 87 x 33 mm (with lid)



#### Rack B only (Workstation Rack)

72-place polypropylene rack to hold:  
32 x 0.2 ml PCR tubes  
16 x 0.5 ml microcentrifuge or PCR tubes  
24 x 1.5 / 2.0 ml microcentrifuge tubes  
Each rack supplied with its own transparent, lift-off lid.  
Dimensions (WxDxH): 215 x 115 x 50 mm (with lid)



#### Racks A & B (complete PCR Workstation)

Rack A (without lid) can be inserted into the designated area of Rack B  
Each rack supplied with its own transparent, lift-off lid

### Colour

### Pack Size

### Article No.

Neon Blue	1	<b>E2396-1641</b>
Neon Green	1	<b>E2396-1642</b>
Neon Orange	1	<b>E2396-1643</b>
Neon Pink	1	<b>E2396-1644</b>
Neon Yellow	1	<b>E2396-1646</b>
Mixed Neon <sup>1)</sup>	5	<b>E2396-9649</b>
Neon Blue	1	<b>E2396-1651</b>
Neon Green	1	<b>E2396-1652</b>
Neon Orange	1	<b>E2396-1653</b>
Neon Pink	1	<b>E2396-1654</b>
Neon Yellow	1	<b>E2396-1656</b>
Mixed Neon <sup>1)</sup>	5	<b>E2396-9659</b>
Neon Blue <sup>2)</sup>	1+1	<b>E2396-9691</b>
Neon Green <sup>2)</sup>	1+1	<b>E2396-9692</b>
Neon Orange <sup>2)</sup>	1+1	<b>E2396-9693</b>
Neon Pink <sup>2)</sup>	1+1	<b>E2396-9694</b>
Neon Yellow <sup>2)</sup>	1+1	<b>E2396-9696</b>
Mixed Neon <sup>3)</sup>	5+5	<b>E2396-9669</b>

Tubes not included. <sup>1)</sup>Pack contains 1 rack of each colour and 5 lids. <sup>2)</sup>Pack contains 1 x Rack A/Lid and 1 x Rack B/Lid. <sup>3)</sup>Pack contains 5 x Rack A/Lids and 5 x Rack B/ Lids.

## Chiller Racks for PCR



### Description

#### StarChill PCR

96-well chiller rack with lid for use with: 0.2 ml single or strip PCR tubes, or 0.2 ml 96-well PCR Plate  
Temperature colour change: 7 °C  
Estimated time at 4 °C: 3+ hours<sup>1)</sup>  
Dimensions (WxDxH):  
141 x 99 x 38 mm (44 mm high with lid)

### Colour

### Pack Size

### Article No.

Pink (warm) Purple (cold)	2	<b>E2396-2004</b>
Yellow (warm) Green (cold)	2	<b>E2396-2006</b>



#### StarChill qPCR

Tube Capacity: 64 x 0.1 ml Corbett Rotor-Gene® tubes, 16 x 0.2 ml single tubes (or 2 x 8-strips) and 4 x 0.5 ml tubes  
Est. Time below 4° C: 2.5 hours<sup>1)</sup>  
Dimensions (WxDxH): 141 x 99 x 44 mm

White (warm)  
Blue (cold)

2

**E2396-3008**

<sup>1)</sup>Time will vary, depending on ambient temperature. All StarChill racks must be frozen for a minimum of 8 hours at -20 °C before use. Not Autoclavable.



## StarChill high performance chiller racks

The centre sections of StarChill racks change colour when frozen. It then gradually turns back to its original colour as it warms up, thus giving an instant, visual-indication of the temperature.



[www.starlab.click/starchill](http://www.starlab.click/starchill)

# GuardOne® Workstation.



## ALL IN FOR YOUR APPLICATIONS

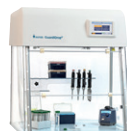
Starlab's GuardOne® Workstation provides the ideal workspace for sensitive and critical applications requiring a clean environment or protection from potential contamination by bacteria, DNA or RNA. The GuardOne® Workstation minimizes cross-contamination risk to protect your valuable samples and reagents<sup>1)</sup>, thus helping to prevent both the time and cost involved by having to duplicate contaminated work.

Every aspect of GuardOne® has been designed with convenience in mind. All functions are controlled via the glove compatible, easy to use touchscreen. HEPA filter exchange and UV lamp exchange in just 2 minutes.

Perfect for your PCR / qPCR applications.



 [www.starlab.click/guardone](http://www.starlab.click/guardone)



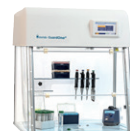
**Dead Air Workstation 32"**

S8040-1000



**Dead Air Workstation 48"**

S8040-1001



**Laminar Flow Workstation 32"**

S8040-0000



**Laminar Flow Workstation 48"**

S8040-0001

- One-touch QuickStart / QuickStop settings
- Efficient UV<sub>245 nm</sub> decontamination with timer function
- Efficient, class H14 HEPA filter with pre-filter provides ISO class 5 working environment<sup>2)</sup>
- Real-time airflow measurement<sup>2)</sup>
- Life-span monitoring of consumables
- Virtually maintenance-free
- Easy to clean
- Easy, tool-free assembly in just 15 minutes

<sup>1)</sup>GuardOne® is not designed to protect the operator.

<sup>2)</sup>Laminar-flow models only.





# The Mixer HC.



[www.starlab.click/mixerhc](http://www.starlab.click/mixerhc)

## HEAT OR COOL, AS YOU MIX!

The Mixer HC is a smart bit of kit that does the work of several other pieces of equipment in one compact unit. Easy to use and to program, the Mixer HC can help speed up your laboratory tasks.

- Mixing, heating, cooling and timing combined in one instrument
- Automatic thermoblock recognition
- PROGRAM mode for creation of individual protocols
- SHORT MIX function for instant mixing
- INTERVAL MIX function for alternating between mixing and resting

## THE MIXER HC IS IDEAL FOR:

### Pre-PCR Steps:

Isolation of genomic DNA and RNA.  
Plasmid DNA purification.  
Reverse Transcription of mRNA.  
Mixing of PCR setups.

### Post-PCR Steps:

Purification of DNA from agarose gels.  
Cloning of DNA fragments (Restriction digestion, A-tailing, Phosphorylation, Ligation, Transformation into host cells, Cultivation of host cells)

## Ordering Information

	Mixer HC <sup>1)</sup>	S8012-0000
	Thermoblock for 24 x 0.5 ml Microcentrifuge Tubes <sup>2)</sup>	S8012-0010
	Thermoblock for 24 x 1.5 ml Microcentrifuge Tubes <sup>3)</sup>	S8012-0011
	Thermoblock for 24 x 2.0 ml Microcentrifuge Tubes, Round Bottoms <sup>3)</sup>	S8012-0012
	Thermoblock for 24 x 2.0 ml Microcentrifuge Tubes, V-Bottoms	S8012-0013
	Thermoblock for 8 x 5.0 ml Preparation Tubes	S8012-0014
	Thermoblock for 8 x 15 ml Conical Centrifuge Tubes	S8012-0015
	Thermoblock for 4 x 50 ml Conical Centrifuge Tubes	S8012-0016
	Thermoblock for 24 x 1.5/2.0 ml Cryo Tubes	S8012-0017
	Thermoblock for Micro / Deepwell Plate, with Lid	S8012-0018
	Adapter Plate 96 x 0.2 ml Tubes or a PCR plate (For use with S8012-0018)	S8012-0019
	ISO-Rack with Lid: 24 x 0.5 ml Microcentrifuge Tubes	S8012-0020
	ISO-Rack with Lid: 24 x 1.5/2.0 ml Microcentrifuge Tubes	S8012-0021

2-Year warranty. <sup>1)</sup>Thermoblock is not included.

<sup>2)</sup>Includes Iso-Rack (S8102-0020) for 0.5 ml microcentrifuge tubes.

<sup>3)</sup>Includes Iso-Rack (S8102-0021) for 1.5/2.0 ml microcentrifuge tubes. Tubes shown with Iso-Rack are not included.

# Mini Fuge PLUS.




## EVERY BENCH SHOULD HAVE ONE

The Mini Fuge PLUS centrifuge is ideal for the quick spin down of condensate, vortexed or thawed samples. Microfiltration and cell separation, with a speed of 2000 x g, is also possible.

- 8-place rotor for 0.2/0.5/1.5/2.0 ml tubes, including screw cap tubes
- 32-place strip rotor for 0.2 ml tubes or strips
- Quick, easy rotor change without the need for tools
- Second lid switch for added safety



Description	Art. No.
 Mini Fuge PLUS	N2631-0017
Supplied with two rotors: Standard for use with 1.5/2.0 ml tubes, and Strip for use with 0.2 ml tubes. Also included: adapters to convert the Standard rotor for use with 0.2 ml and 0.5 ml tubes. 2-year warranty.	

Technical specifications	
Speed	6000 rpm
RCF	2000 x g
Operating temperature	5 – 40 °C
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	>80 %
Fuse	0.35 A
Power supply	100 – 240 V, 50/60 Hz
Weight	1.2 kg
Dimensions (W x D x H)	150 x 150 x 116 mm



[www.starlab.click/minifuge-plus](http://www.starlab.click/minifuge-plus)



# Plate Centrifuge.



## YOU SPIN ME ROUND

The plate centrifuge makes the safe and quick spin down of droplets and condensation very easy. Sealed plates are loaded vertically into the centrifuge, and surface tension keeps samples in place so there is no danger of spills.

The plate centrifuge accepts all plate types (PCR plates, microplates, deepwell plates) up to 25 mm high. An optional adaptor is available for centrifuging 48-well PCR plates and 0.2 ml PCR tubes or strips. Use before and after thermal cycling to increase PCR yield.

- Accommodates two plates (max. plate height: 25 mm)
- Accepts skirted, semi-skirted and non-skirted plates
- Rapid start to stop
- Adapter for use with 48-well plates or PCR tubes
- Less than quarter the size of most plate centrifuges



Description	Art. No.
 Plate Centrifuge	N2631-0008
Accessories	
 Adapter for 1/2 Plates, Strips and Tubes (Pack of 2)	N2631-0018
2-year warranty.	

Technical specifications	
Speed	2500 rpm
RCF	500 x g
Rotor capacity	Two plates, any style, up to 25 mm high
Operating temperature	4 – 30 °C
Permissible relative humidity	85 %
Fuse	0.5 AT
Power supply	230 V, 50/60 Hz
Weight	1.5 kg
Dimensions (W x D x H)	190 x 210 x 193 mm



[www.starlab.click/platecentrifuge](http://www.starlab.click/platecentrifuge)

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**STARLAB PCR CONSUMABLES.**

Designed for optimal performance, Starlab's range of consumables for PCR is compatible with a wide range of cyclers.

Starlab's PCR Consumables are precision manufactured for optimal fit and cycling performance, which result in thin walls, and plate and tube uniformity across batches to minimise variability.

This range of PCR consumables carries on the Starlab tradition of quality, with a range of products for all your PCR and qPCR application needs.

**Scan QR code for more  
information & ordering**



[www.starlab.click/pcrconsumables](https://www.starlab.click/pcrconsumables)