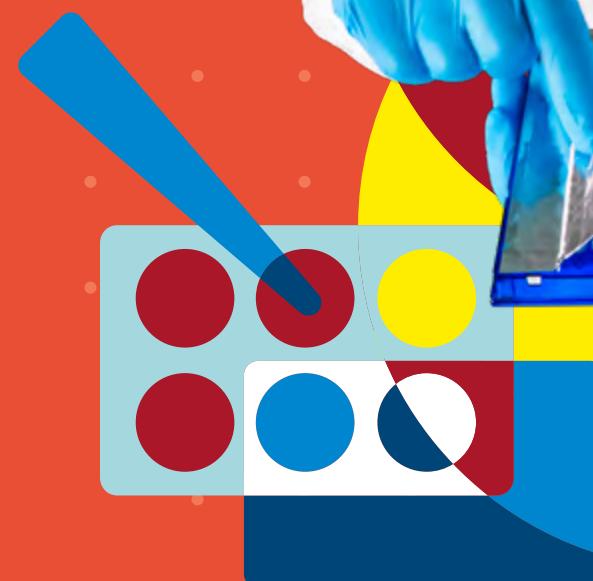


Precious samples but  
your results stay valid.

You are passionate  
for science.

## PCR CONSUMABLES

We're in the middle of your chain reaction.



[WATCH VIDEO](#)

Passionate for Science.  
Starlab inspires and  
supports the passion  
driving your research.

Passionate for science.

 **starlab**

# Starlab PCR Consumables.

## SCIENCE IS IN THE DNA OF YOUR PCR CONSUMABLES

We're passionate about empowering your discoveries, and our expertise in liquid handling is the foundation of every product we create. From the trusted TipOne® pipette tip system to the ergonomic ErgoOne® pipettes, we've helped laboratories like yours run at their best, day after day.

Experience that same dedication to excellence with Starlab PCR consumables. Whether you're running classic PCR or qPCR, Starlab has you covered with a complete range designed to make your experiments easier and more successful:

- PCR Tubes & Strips for flexible, individual or multiplex reactions
- PCR Plates that are precision moulded for consistent results, and rigid plates for automation
- Seals for PCR to provide reliable protection against evaporation and contamination
- Barcoded PCR Plates, PCR Cooler Racks & Storage Solutions to keep your samples safe and organised
- Equipment used for PCR to help streamline your workflows

## WHY CHOOSE STARLAB PCR CONSUMABLES?

Starlab's PCR products are engineered for optimal performance and compatibility with a wide range of thermal cyclers. You'll benefit from thin walls and uniform design across every batch, helping to minimise variability and ensure reproducible results. Our consumables make setup and cycling simple, so you can focus on your science.

We also offer clever solutions to make your PCR workflow even smoother. Protect your precious samples from cross-contamination with the GuardOne® Workstation, and enjoy the convenience of our compact minicentrifuge and plate centrifuge for quick spin downs at your bench.



# Contents.



PCR tubes ..... 4

PCR strips ..... 5–7

- Separate Tube & Cap Strips ..... 5
- Strips with Individually Attached Caps ..... 6
- Strips with Attached Strip Caps ..... 7
- Non-Flex Strips for qPCR ..... 7

Rotor-Gene® Style Tube Strips & Discs ..... 8

PCR plates ..... 9–15

**NEW!**

- Rigid Frame PCR Plates ..... 9
- Non-Skirted, 96-Well ..... 10–11
- Semi-Skirted, 96-well ..... 12–13
- Skirted, 96-well ..... 14
- Skirted, 384-well ..... 14
- Barcoded Plates ..... 15

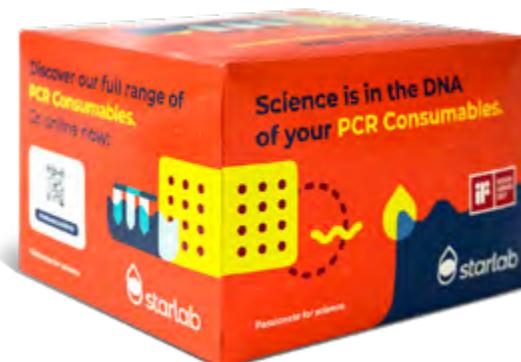
Plate sealing ..... 16–17

- Seals for PCR ..... 16
- Seals for qPCR ..... 16
- Strip Caps ..... 17
- Sealing Mat ..... 17
- Sealing Accessories ..... 17

PCR sample handling ..... 18–19

Equipment for PCR ..... 20–23

- TipOne® and ErgoOne® ..... 20
- GuardOne® Workstations ..... 21
- Minicentrifuge ..... 22
- Plate Centrifuge ..... 23



TipOne®, ErgoOne® and GuardOne® are registered trade marks of Starlab GmbH. StarChill, StarPCR and StarSeal are trade marks of Starlab GmbH. The following trade marks or registered trade marks are recognized property of their respected owners: Qiagen, Rotor-Gene®, Rotor-Gene® Q, Rotor-Disc 72, Rotor-Disc 100, Robbins®, Roche LightCycler®, TAQMan®. PCR is a patented procedure of Roche Diagnostics.

# PCR tubes.

## COST-EFFECTIVE FLEXIBILITY

Especially useful for pilot studies, controls, troubleshooting, or when only a few reactions are needed. Starlab's single PCR tubes provide flexibility for custom or small batch experiments.

- 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



## 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.

### 0.2 ml PCR Tubes

Volume	Cap Style	Colour	Pack Size	Article No.
0.2 ml	Domed Cap	Natural	1000	<b>I1402-4300</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>
0.2 ml	Flat Cap	Mixed <sup>1)</sup>	5 x 200	<b>I1402-8108</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>
0.2 ml	Flat Cap	Natural	1000	<b>I1405-8100</b>
0.5 ml	Flat Cap	Mixed <sup>1)</sup>	5 x 200	<b>I1405-8108</b>

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

Order by the case (x10 packs).



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

For maximum flexibility and selective capping, separate PCR tubes and cap strips are ideal.

- 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.

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



### 8-Strip Caps

Cap Style	Colour	Pack Size	Article No.	
Domed	Natural	125	I1400-0800	<b>C</b>
Domed	Mixed <sup>1)</sup>	5 x 25	I1400-0808	
Domed, Perfect Seal	Natural	125	I1400-0810	
Domed, Perfect Seal	Mixed <sup>1)</sup>	5 x 25	I1400-0818	
Flat (Xtra-Clear)	Natural	125	I1400-0900	<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	I1402-3600	
0.1 ml Low-Profile	White	125	I1402-3609	
0.2 ml	Natural	125	I1402-3500	<b>C</b>
0.2 ml	Mixed <sup>1)</sup>	5 x 25	I1402-3508	
0.2 ml	White	125	I1402-3509	

<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	I1400-1200	<b>C</b>
Domed	Mixed <sup>1)</sup>	5 x 16	I1400-1208	
Flat (Xtra-Clear)	Natural	80	I1400-1290	<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	I1402-1200	<b>C</b>
0.2 ml	Mixed <sup>1)</sup>	5 x 16	I1402-1208	

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

 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	I1402-4700	
0.1 ml Low-Profile, White	Flat, Xtra-Clear	125 pairs	I1409-4700	
0.2 ml, Natural	Domed	125 pairs	I1402-6700	
0.2 ml, Natural	Flat, Xtra-Clear	125 pairs	I1402-5700	
0.2 ml, White	Flat, Xtra Clear	125 pairs	I1409-5700	

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

# PCR strips.

## HELP TO ELIMINATE CROSS-CONTAMINATION WITH PCR STRIPS WITH ATTACHED CAPS

Discover convenience and efficiency with Starlab's PCR strips with attached caps, designed for mid-throughput settings. These PCR strips ensure all tubes are equally protected, supporting consistent results across samples, as well as simplifying handing to increase workflow efficiency.

- 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 C
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 C

<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 C
0.2 ml 8-Strip, Natural	Attached Flat Cap Strip (Xtra-Clear)	125	I1402-2700 C
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, and even 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
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.



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.



[starlab.click/pcrstrips](http://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.** Supplied unassembled in convenient resealable bags (tubes in one bag, caps in the other). Certified free of RNase, DNase, DNA and PCR Inhibitors. Tested Pyrogen free.



### Rotor-Gene® Style PCR Strips

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

## ROTOR-GENE® STYLE DISCS

Rotor-Gene® Style Discs for use with the **Qiagen Rotor-Gene® Q**

### Real-Time Rotary Analyzer.

The discs 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	I1402-0500
Rotor-Gene® Style Discs: 100 x 25 µl Tubes	30 discs	I1402-0600

#### 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)



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

**NEW!**

# Rigid frame PCR plates.

## SEAMLESS INTEGRATION WITH YOUR AUTOMATED SYSTEMS

Elevate your automated PCR procedures with Starlab's rigid frame plates, that are optimised for precision and reliability. The durable polycarbonate frame provides a stable, flat surface, which can withstand the firm grip of robotic arms, ensuring precise placement and eliminating any risk of misalignment.

- Engineered for high precision robotics handling
- SBS footprint and well spacing provides seamless integration with your automated systems
- Rigid polycarbonate frame provides a solid, flat surface for robotic arm grip
- Ultra-thin, uniform wells ensure optimal heat transfer and high reaction efficiency
- Well ridges help prevent sample evaporation when sealed with films, foils or cap strips, guaranteeing the integrity of your results
- Supplied in convenient, resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA & PCR Inhibitors



Plates available  
with natural or  
blue frames



Frame Colour	Well Colour	Cut Corner	Approx. Max. Well Capacity	Pack Size	Article No.
<b>96-Well, Semi-Skirted</b>					
	Natural	Natural	A12	300 µl	10 <b>E1404-0200</b>
	Blue	Natural	A12	300 µl	10 <b>E1404-0201</b>
<b>96-Well, Skirted, Low Profile</b>					
	Natural	Natural	H1	200 µl	10 <b>E1404-0100</b>
	Blue	Natural	H1	200 µl	10 <b>E1404-0101</b>
<b>384-Well, Skirted</b>					
	Natural	Natural	A24	40 µl	10 <b>E1404-0300</b>
	Blue	Natural	A24	40 µl	10 <b>E1404-0301</b>

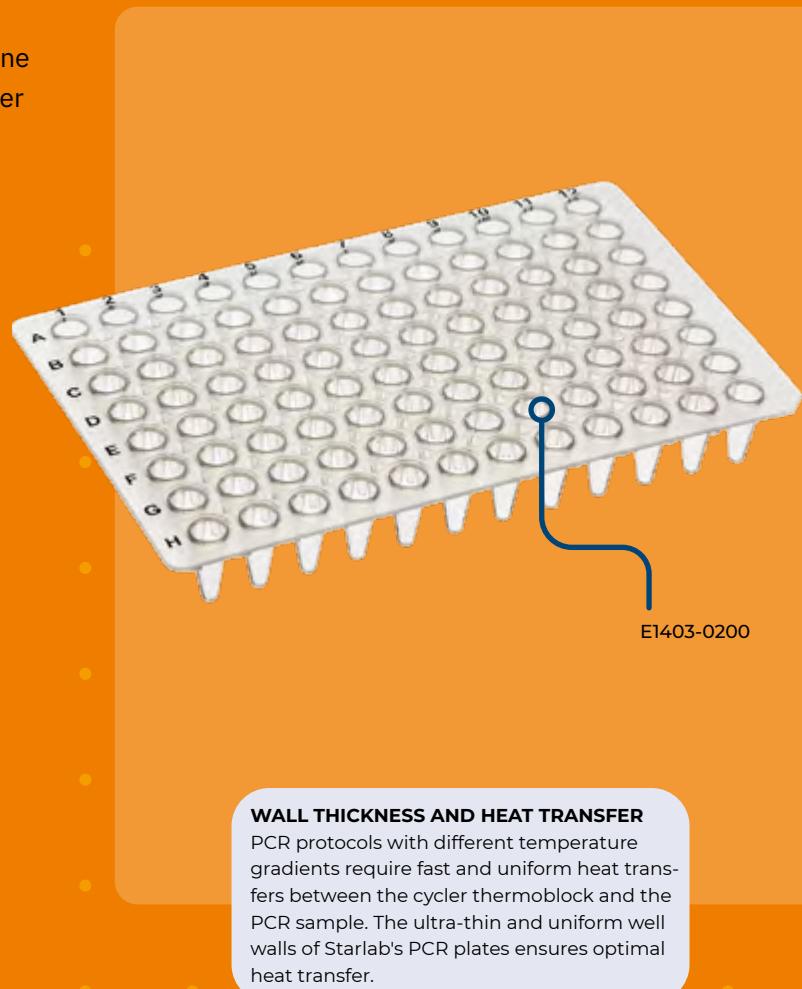
[starlab.click/rigid-frame-pcr-plates](http://starlab.click/rigid-frame-pcr-plates)

# Non-skirted PCR plates.

## UNIVERSAL FIT!

Starlab's PCR plates are made from medical polypropylene to provide the quality assurance you need. They also offer convenience! The plates have clearly marked wells to provide easy identification and sample tracking, as well as compatibility with a wide range of thermal cyclers.

- 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



### 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).



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



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



DOES OUR PLATE FIT YOUR  
CYCLER?

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

#### 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>

#### Robbins®- Style Plate, Elevated Wells

Wells	Colour	Pack Size	Article No.
96 (A1)	Natural	10	<b>B1402-9200</b>

Moulded matrix.  
Certified RNase, DNase, DNA & Pyrogen free.

#### Standard Height Plate

Colour	Pack Size	Article No.
Natural	10	<b>B1402-0595</b>

Moulded matrix.  
Certified RNase, DNase, DNA & Pyrogen free.

 Order by the case (x10 packs).

#### PLATE CAPACITIES:

Approx. maximum capacity, 96-well plates:

**Low-profile plates:** 200 µl

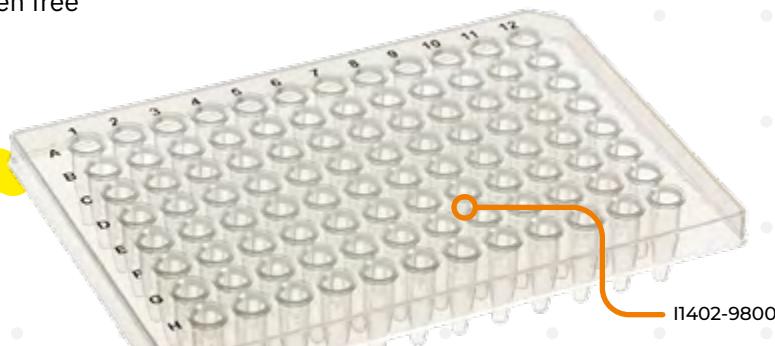
**Standard height plates:** 350 µl

# Semi-skirted PCR plates.

## HALF SKIRT. FULL QUALITY

Starlab's PCR plates are made from medical polypropylene to provide the quality assurance you need. More rigid than non-skirted plates, they also offer better handling convenience. The plates have clearly marked wells to provide easy identification and sample tracking, as well as compatibility with a wide range of thermal cyclers.

- Made from medical polypropylene
- Ultra-thin, uniform wells for 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)



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

### Low-Profile Plate

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

 Order by the case (x10 packs).

### 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.



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

### 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.

**PLATE CAPACITIES:**

Approx. maximum capacity, 96-well plates:

**Low-Profile:** 200 µl**Starndard 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)

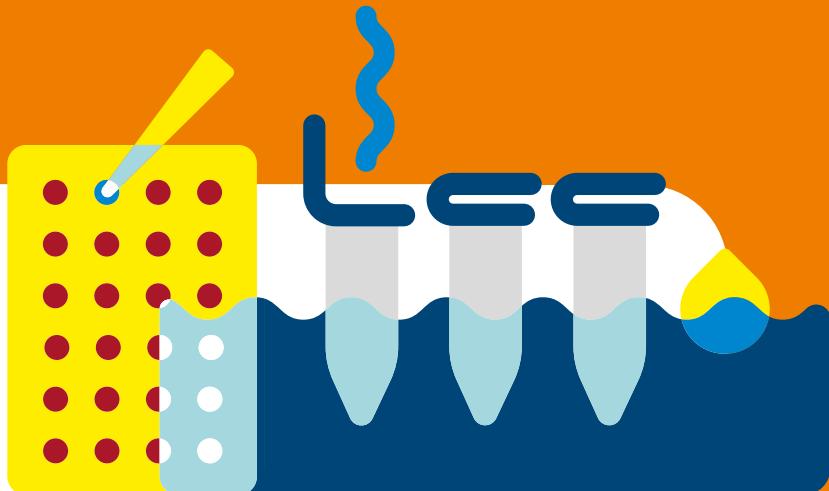
Plate with Straight Edges		
Colour	Pack Size	Article No.
Natural	10	I1402-9800
White	10	I1402-9809

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

Order by the case (x10 packs).

**DOES OUR PLATE FIT YOUR CYCLER?** [starlab.click/pcr-compatibility](http://starlab.click/pcr-compatibility)

# Skirted PCR plates.

Starlab's PCR plates are made from medical polypropylene to provide the quality assurance you need. Ideal for automation, skirted plates have clearly marked wells to provide easy identification and sample tracking, as well as compatibility with a wide range of thermal cyclers.

- 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 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	C
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)



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



## 384-Well PCR Plates with Moulded Matrix

### 384-Well Plate, 40 µl (AP24, P24)

Colour	Pack Size	Article No.	
Natural	10	E1042-2500	C

Moulded matrix.

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

### ABI®/Universal Style

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

Black printed matrix.

### Roche LightCycler®

Colour	Pack Size	Article No.	
White	10	E1042-9909	C

Black printed matrix.



# Barcoded PCR plates.



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

Starlab's PCR plates are made from medical polypropylene to provide the quality assurance you need. They also offer convenience!

Barcoded plates are ideal for automated applications and sample inventory. The plates have clearly marked wells to provide easy identification and sample tracking, as well as compatibility with a wide range of thermal cyclers.

DOES OUR PLATE FIT YOUR CYCLER?

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

### 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 for Roche Lightcycler®, Skirted, with Barcode (A24/P24)	Natural	10x10	E1042-9900-BC

# PCR plate sealing.

## COLOUR KEY

Self-Adhesive Seal   Heat Seal

## 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.

Description:	Plate Seals for PCR									Plate Seals for qPCR		
	Aluminium Seal (PCR)	Aluminium StarSeal (PCR)	Polyester Sealing Film, Clear (PCR)	Polypropylene Sealing Film Strips (PCR)	Clear Polypropylene Seal (PCR)	Clear Polyolefin StarSeal (PCR)	Peelable Film (PCR)	Thermo Seal Film (PCR)	Easy Pierce Film (PCR)	Optically Clear Film (qPCR)	Xtra-Clear Advanced Polyolefin StarSeal (qPCR)	Xtra-Clear Polyolefin Seal (qPCR)
Article No:	E2796-0792	E2796-9792	E2796-0100	E2796-2850	E2796-0793	E2796-9793	E2796-3060	E2796-3070	E2796-3090	E2796-3020	E2796-9795	E2796-9895
Pack size:	100 Seals	100 Seals	100 Seals	200 Strips	100 Seals	100 Seals	100 Seals	100 Seals	100 Seals	100 Seals	100 Seals	100 Seals
Colour	Silver	Silver	Clear	Clear	Clear	Clear	White	Silver	Silver	Clear	Clear	Clear
Opaque	✓	✓					✓	✓	✓			
Optically clear			✓	✓	✓	✓				✓	✓	✓
Superior optical clarity										✓	✓	✓
Suitable for PCR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Suitable for Real-Time PCR (qPCR)										✓	✓	✓
Short-term storage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Long-term storage and incubation	✓						✓	✓	✓	✓		
Easy to pierce with needle or metal probe	✓	✓			✓			✓	✓			
Easy to pierce with pipette tip	✓	✓			✓			✓	✓			
Low 'tack to touch' adhesive**										✓	✓	
Low auto-fluorescence						✓				✓	✓	
Resistant to DMSO		✓			✓	✓	✓	✓	✓	✓	✓	
Certified free of	RNase, DNase, DNA, Pyrogen	RNase, DNase, DNA, Pyrogen	RNase, DNase, Nucleic Acid	RNase, DNase, Nucleic Acid	RNase, DNase, DNA, Pyrogen	RNase, DNase, DNA, Pyrogen				RNase, DNase, DNA, Pyrogen	RNase, DNase	
No. of end tabs	2	2	2	2	1	2	2	2	2	2	2	2
Seal Thickness	60 µm	36 µm	50 µm	50 µm	50 µm	50 µm	70 µm	120 µm	38 µm	125 µm	50 µm	96 µm
Plate type compatibility	PP, PS, PC, PE	PP, PS, PC	PP, PS, PC, PE	PP	PP, PS, PC, PE	PP, PS, PC	PP, PE	PP, PE	PP, PE	PP, PS, PE	PP, PS, PC	PP, PS, PC
Minimum temp. use	-80 °C	-70 °C <sup>1)</sup>	-40 °C	-40 °C	-80 °C	-70 °C <sup>1)</sup>	-200 °C	-80 °C	-80 °C	-80 °C	-70 °C <sup>1)</sup>	-80 °C
Maximum temp. use	120 °C	110 °C	120 °C	120 °C	120 °C	110 °C	90 °C <sup>2)</sup>	120 °C	80 °C <sup>2)</sup>	120 °C	110 °C	105 °C

Plate type: PP = polypropylene. PS = polystyrene. PC = polycarbonate. PE = polyethylene.

<sup>1)</sup> Can be used at -80 °C for short-term storage.

<sup>2)</sup> During PCR, seals can withstand temperatures up to 120 °C provided that adequate support/pressure is applied by the cycler's lid.

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

## PCR strip caps.



### 8-Strip Caps

Description	Colour	Pack Size	Article No.	
8-Strip PCR Caps, Domed	Natural	125	I1400-0800	
8-Strip PCR Caps, Domed	Mixed <sup>1)</sup>	5 x 25	I1400-0808	
8-Strip PCR Caps, Domed, Perfect Seal	Natural	125	I1400-0810	
8-Strip PCR Caps, Domed, Perfect Seal	Mixed <sup>1)</sup>	5 x 25	I1400-0818	
8-Strip PCR Caps, Flat (Xtra-Clear)	Natural	125	I1400-0900	

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	I1400-1200	
12-Strip PCR Caps, Domed	Mixed <sup>1)</sup>	5 x 16	I1400-1208	
12-Strip PCR Caps, Flat (Xtra-Clear)	Natural	80	I1400-1290	

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	E1403-0000

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

## SILICONE SEALING MAT (AUTOCLAVABLE)

Ultra-flexible, silicone sealing mat designed for 96-well plates, but easily customisable for 24, 32 or 48 formats. This reusable mat is piercable with a needle or canula, making sample access simple and efficient. The mat's compatibility with thermal cyclers with pressure-fit lids ensures a secure seal. Enjoy peace of mind knowing the non-reactive silicone rubber resists aggressive chemicals, and withstands repeated autoclaving and extreme temperatures, ensuring long-lasting durability, and also reducing waste.

## 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



### 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).

Tubes not included.

### Colour

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

### Pack Size

5

### Article No.

**E2396-0599**

## 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).

Tubes not included.

### Colour

Yellow, Blue, Green & Red

### Pack Size

4 Racks,  
2 Lids

### Article No.

**E2344-2099**



## 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.
0.2ml 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.

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

PCR Workstation Racks			
Description	Colour	Pack Size	Article No.
<b>Rack A only (Satellite Rack)</b> 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)	Neon Blue Neon Green Neon Orange Neon Pink Neon Yellow Mixed Neon <sup>1)</sup>	1 1 1 1 1 5	<b>E2396-1641</b> <b>E2396-1642</b> <b>E2396-1643</b> <b>E2396-1644</b> <b>E2396-1646</b> <b>E2396-9649</b>
<b>Rack B only (Workstation Rack)</b> 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)	Neon Blue Neon Green Neon Orange Neon Pink Neon Yellow Mixed Neon <sup>1)</sup> Neon Blue <sup>2)</sup> Neon Green <sup>2)</sup> Neon Orange <sup>2)</sup> Neon Pink <sup>2)</sup> Neon Yellow <sup>2)</sup> Mixed Neon <sup>3)</sup>	1 1 1 1 1 5 1+1 1+1 1+1 1+1 1+1 5+5	<b>E2396-1651</b> <b>E2396-1652</b> <b>E2396-1653</b> <b>E2396-1654</b> <b>E2396-1656</b> <b>E2396-9659</b> <b>E2396-9691</b> <b>E2396-9692</b> <b>E2396-9693</b> <b>E2396-9694</b> <b>E2396-9696</b> <b>E2396-9669</b>
<b>Racks A &amp; B (complete PCR Workstation)</b> Rack A (without lid) can be inserted into the designated area of Rack B Each rack supplied with its own transparent, lift-off lid	Neon Blue <sup>2)</sup> Neon Green <sup>2)</sup> Neon Orange <sup>2)</sup> Neon Pink <sup>2)</sup> Neon Yellow <sup>2)</sup> Mixed Neon <sup>3)</sup>	1+1 1+1 1+1 1+1 1+1 5+5	<b>E2396-9691</b> <b>E2396-9692</b> <b>E2396-9693</b> <b>E2396-9694</b> <b>E2396-9696</b> <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	Colour	Pack Size	Article No.
<b>StarChill PCR</b> 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)	Pink (warm) Purple (cold)	2	<b>E2396-2004</b>
	Yellow (warm) Green (cold)	2	<b>E2396-2006</b>
<b>StarChill qPCR</b> 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	<b>E2396-3008</b>

<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. Freeze the StarChill Rack upside down in order for the gel to freeze evenly. 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.

[starlab.click/chillerracks](http://starlab.click/chillerracks)

# Your perfect partners for PCR.

## TipOne® Filter Tips.

**Precision, purity, and sample protection are critical for PCR.**  
**Trust TipOne® to help you achieve trustworthy results, every time.**

**One tip fits all!** 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, minimising hand fatigue and ensuring consistent sample transfer—essential for reproducible PCR results.

**Excellent filter!** TipOne® filters protect against aerosol cross-contamination without trapping your valuable samples. TipOne® filters contain no additives to interfere with samples.

**Sterile and certified:** Sterile tips are validated to EN ISO 11137-2:200, and certified RNase, DNase, DNA and pyrogen free.

**A sustainable pipetting choice!** TipOne® system components contain recycled material and can be recycled after use. Help save valuable resources, and sign up for our unique, closed-loop recycling service:  
[www.starlab.click/recycling](http://www.starlab.click/recycling)

**TipOne® filter tips are available racked, or as plastic-saving refills!**



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

## ErgoOne® Pipettes.

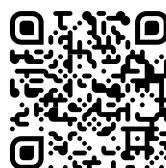
**Reliable, consistent and accurate pipetting, for precise reagent handling and reproducible results.**

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 ergonomic, ErgoOne® pipettes are designed for comfortable, fatigue-free pipetting, which is essential during repetitive PCR setups and long workflows. Use with Starlab's TipOne® tips for the perfect pipetting partnership.



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

# GuardOne® Workstation.



[WATCH VIDEO](#)

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

## PROTECT YOUR VALUABLE SAMPLES

With the GuardOne® Workstation you can confidently handle sensitive and critical applications—knowing your workspace is protected from contamination by bacteria, DNA, or RNA. Enjoy a clean, controlled environment that dramatically reduces the risk of cross-contamination, so your valuable samples and reagents<sup>1)</sup> stay safe.

GuardOne® empowers you to focus on your research, not on repeating work due to contamination. By safeguarding your experiments, you save both time and resources, ensuring your results are reliable the first time, every time.

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.



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 Minicentrifuge.

## SMOOTH OPERATOR

The Starlab Minicentrifuge is your essential benchtop companion for PCR setup. This compact, robust unit delivers a quiet, smooth operation and has unique features designed for your convenience. Simply load your samples, close the lid, and let the Minicentrifuge do the rest. The intuitive one-touch STOP function ensures fast braking and effortless, one-handed lid opening, making your workflow seamless and efficient. Quick spins guarantee thorough mixing and keep every precious drop of your sample exactly where you need it.



**MAGNETIC LID LOCK**  
aids easy, one-handed operation



**WATCH VIDEO**

Description	Article No.
 Minicentrifuge <sup>1)</sup>	S8030-5000
<b>Accessories</b>	
 Tube rotor for 8 x 1.5/2.0 ml tubes	S8030-5010
 PCR strip rotor for 32 x 0.2 ml PCR tubes or 4 x 8 PCR tube strips	S8030-5011
 Power adapter with four exchangeable plugs, 24 V, 1 A for EU, UK, US & AUS	S8030-5012
 Tube rotor adapters for 0.5 ml tubes, pack of 8	S8030-5013
 Tube rotor adapters for 0.2 ml tubes, pack of 8	S8030-5014

<sup>1)</sup> Supplied with power adapter and four exchangeable plugs, 1 x tube rotor, 1 x PCR strip rotor and one pack of 0.5 ml adapters and one pack of 0.2 ml adapters.

Technical specifications	
Maximum speed	6,500 rpm ± 1 %
Maximum g-force	2,500 x g
Noise level	55 dBA
Permissible ambient temperature	2 °C – 40 °C
Permissible relative humidity	≤ 80 %
Power supply	100 – 240 V, 50 Hz – 60 Hz
Unit input	24 V DC 12 W
Weight	< 1.2 kg
Dimensions (WxDxH)	160 x 130 x 112 mm



[starlab.click/minicentrifuge](http://starlab.click/minicentrifuge)

# Plate Centrifuge.

## MAXIMISE RESULTS, MINIMISE EFFORT

Starlab's Plate Centrifuge is designed to make your workflow smoother and more productive. Prepare and process your PCR plates quickly—right at your bench—before and after thermal cycling, to get the best possible yield from your samples.

## Save time, stay focussed

No more trekking across the lab or waiting for the main centrifuge to become available. With this compact centrifuge on your bench, you can spin your plates in seconds and move on with your work—no interruptions, no hassle.

## Flexible operation to suit your needs

**SHORT:** Need a short spin? Press and hold to run at maximum speed. The timer will count up. Release to stop centrifuging.

**TIMER:** For longer centrifugation or for hands-free operation, set your desired time and let the Centrifuge do its work. It will automatically stop and alert you when your run is complete.



- Holds two plates
- Quick and easy loading
- Use with non-skirted, semi-skirted and skirted 96- and 384-well plates
- 2,500 rpm
- Two operating modes
- Starts / stops in seconds
- Convenient small footprint
- Optional adapter available for half plates or tubes
- 2-year warranty



WATCH VIDEO

[youtu.be/uHfHExG1Knk](https://youtu.be/uHfHExG1Knk)

## Order Information



Plate Centrifuge<sup>1)</sup>

N2631-0100



Plate Centrifuge Adapter  
for use with 0.2 ml PCR tubes  
& PCR strips, and 48-well PCR  
Plates

N2631-0018

<sup>1)</sup> 2-year warranty.

## Technical specifications

Capacity	2 x 96-/384-well PCR plates. Maximum plate height: 25 mm
Maximum speed	2,500 rpm ±10%
Maximum RCF	500 x g
Temperature range	5°C to 40°C (up to 80% RH at 31°C, decreasing linearly to 50% RH at 40°C)
Timer capacity	0–99 seconds / 0–99 minutes
Noise level	51 dB <sup>1)</sup>
Power adapter operating voltage	100 to 240 V~, 50 to 60 Hz, 1.5A
Unit input	24 VDC 45 W
Protection class	IP21
Weight	2.6 kg
Dimensions	190 x 220 x 186 mm

<sup>1)</sup> Operation noise level, excluding timer alarm



[starlab.click/platecentrifuge](https://starlab.click/platecentrifuge)



T: +49 (0)40 675 99 39 0  
info@starlab.de  
[www.starlab.de](http://www.starlab.de)



T: +44 (0)1908 283800  
infoline@starlab.co.uk  
[www.starlab.co.uk](http://www.starlab.co.uk)



T: +33 (0)1 60 13 71 70  
info@starlab.fr  
[www.starlab.fr](http://www.starlab.fr)



For our international dealers, please go to  
[starlab.click/distributors](http://starlab.click/distributors)



T: +39 (0)2 7020 1040  
info@starlab.it  
[www.starlab.it](http://www.starlab.it)



T: +41 56 6645 980  
info@starlab.ch  
[www.starlab.ch](http://www.starlab.ch)

**Passionate for science.**



[WATCH VIDEO](#)

© January 2026. All rights reserved. Technical specifications are subject to change without notice. Our general terms and conditions apply. Starlab-PCR-Consumables-Brochure-INT-2025-12.

**Precious samples but your results stay valid.**

**You are passionate for science.**

Whether you're detecting pathogens, cloning genes or studying mutations, our products for PCR empower you to achieve reliable, reproducible results. 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. Discover our range of products for PCR and let Starlab be part of your chain reaction.



[starlab.click/pcreconsumables](http://starlab.click/pcreconsumables)