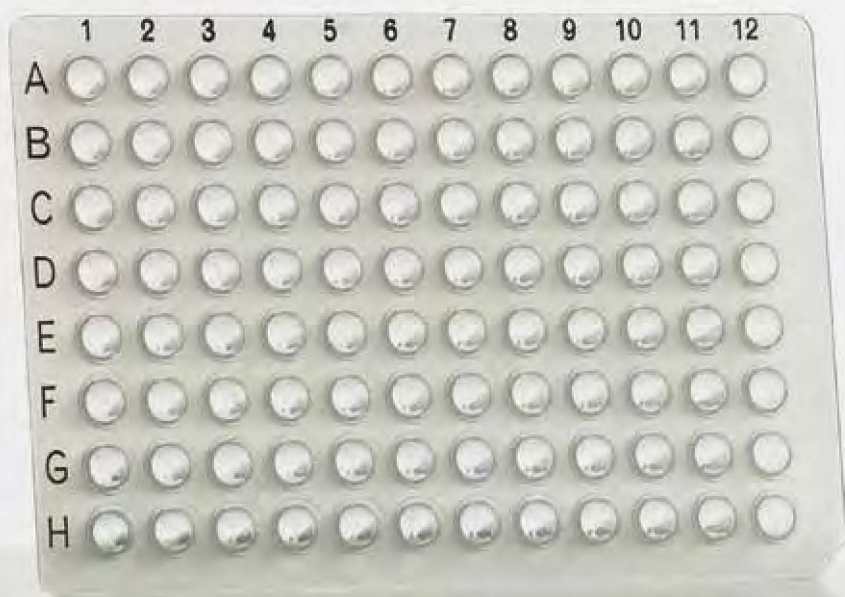


# Standard PCR Plates

4titude®'s standard PCR plates are manufactured from virgin polypropylene in our Class 7 ISO certified cleanroom production facility.

The thin-walled tubes of our standard PCR plates maximise heat transfer and the raised rims facilitate sealing. The range consists of a non-skirted, two semi-skirted and fully skirted plate, available in clear or white (for qPCR techniques), additional colours for non-skirted plates are available now. All our PCR consumables are certified free from RNase, DNase and human genomic DNA. These plates fit most thermal cyclers; see pages 46 to 48 for more details.

# Standard PCR Plate Non-skirted



ALPHANUMERIC GRID REFERENCE

AUTOCCLAVABLE 121°

SBS FOOTPRINT

**Colour options**

**MAX = 300µl**  
**WORKING = 250µl**



This 96well non-skirted PCR plate is for use in PCR and qPCR applications holds a well volume of up to 0.3ml when used with seals like adhesive or heat films or foils. The plate has a cut corner located at H12 and is compatible with most thermal cyclers.

Available in clear, purple, red, blue, green, yellow and white with black alpha-numeric lettering. Compatible with standard multichannel pipettes.

	Plate width:	120.00 ± 0.25 mm
	Plate depth:	80.00 ± 0.25 mm
	Plate height (a):	20.20 ± 0.10 mm
	Well depth (b):	20.20 ± 0.10 mm
	Well diameter (c):	5.46 ± 0.10 mm
	Distance to centre of A1 from top edge:	8.75 ± 0.25 mm
	Distance to centre of A1 from left edge:	10.75 ± 0.25 mm
	Pitch (distance between A1 and A2):	9 mm

- Compatible with most thermal cyclers and sequencers
- Thin walled tubes for maximum heat transfer
- Raised well rims prevent cross contamination and facilitate sealing
- Suitable for heat and adhesive sealing
- Suitable for cap sealing
- RNase, DNase, Human Genomic DNA free

Code	Description	Plates/Case
4ti-0750	96well PCR plate, non-skirted	50
4ti-0750/W	96well PCR plate, non-skirted, white	50
4ti-0750/B	96well PCR plate, non-skirted, blue	50
4ti-0750/R	96well PCR plate, non-skirted, red	50
4ti-0750/Y	96well PCR plate, non-skirted, yellow	50
4ti-0750/G	96well PCR plate, non-skirted, green	50
4ti-0750/P	96well PCR plate, non-skirted, purple	50

**NEW**  
**NEW**  
**NEW**  
**NEW**  
**NEW**

**Also see**  
PLATE COMPATIBILITY TABLE (PAGE 46-48)  
HEAT SEALING (PAGE 66-73)  
4S3 HEAT SEALER (PAGE 64-65)  
ADHESIVE SEALING (PAGE 76-83)  
STRIP CAPS (PAGE 45)

SCAN QR CODE TO CHECK PLATE COMPATIBILITY FOR YOUR INSTRUMENT OR SEE PAGE 46-48

[www.4ti.co.uk/plate-compatibility](http://www.4ti.co.uk/plate-compatibility)

# Tear-A-Way™ PCR Plates

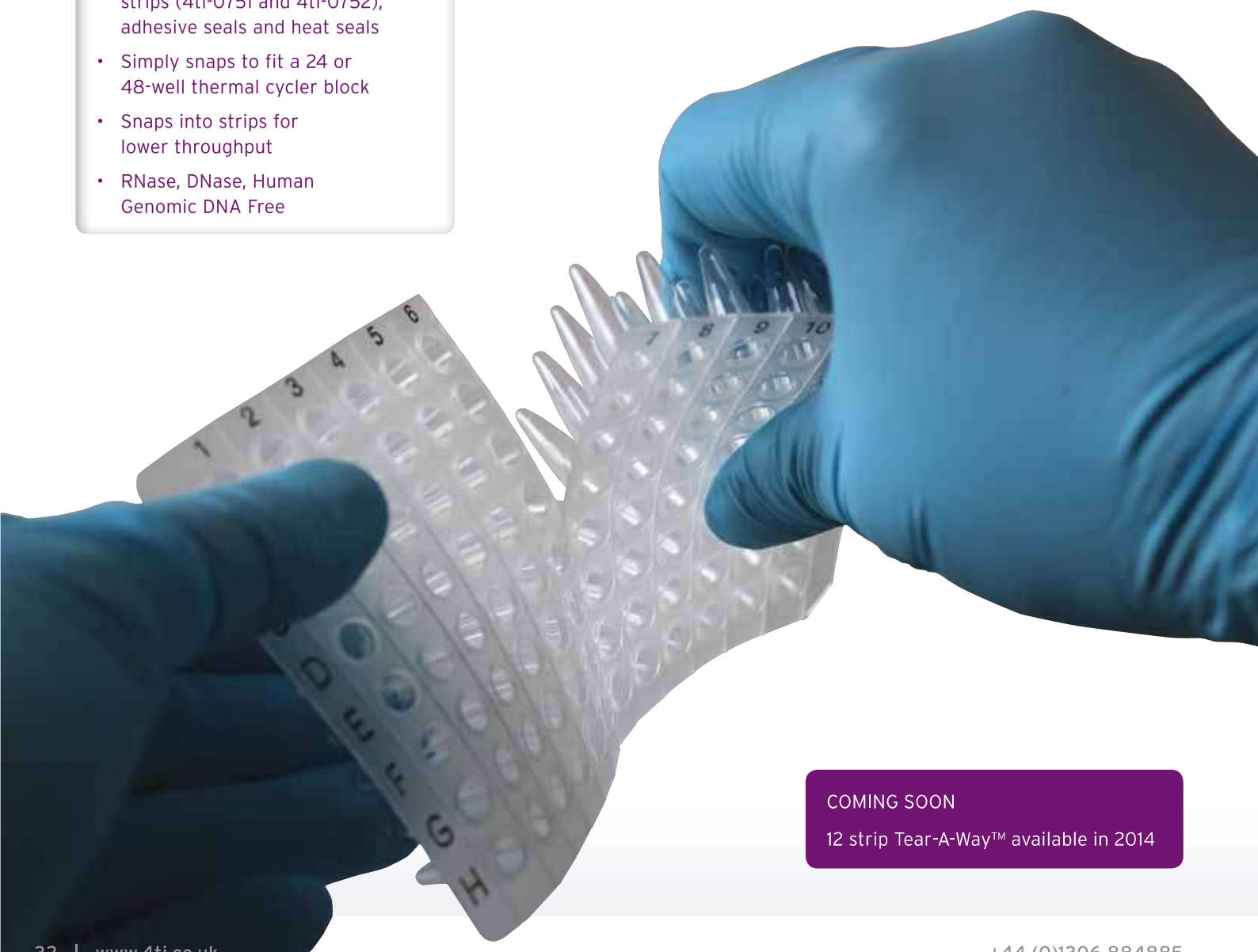
The new Tear-A-Way™ plate is perforated for easy division into strips. The non-skirted universal PCR plate of choice.

- Plate is perforated to enable accurate tearing into 8well strips
- Numbers on all strips to prevent sample identification errors
- Non-skirted universal cycler and sequencer compatibility
- Sealable using 4titude® PCR cap strips (4ti-0751 and 4ti-0752), adhesive seals and heat seals
- Simply snaps to fit a 24 or 48-well thermal cycler block
- Snaps into strips for lower throughput
- RNase, DNase, Human Genomic DNA Free

Tear-A-Way™ plates allow for the most flexible and efficient use of a PCR plate. No need to run half-empty plates or to cut plates with scissors. Cutting plates risks perforating wells, damaging sealing rings and contamination.

Based upon our standard non-skirted PCR plate (4ti-0750), Tear-A-Way™ plates can be quickly and easily separated along the perforations between the rows. Every single strip can be utilised, saving time and costs.

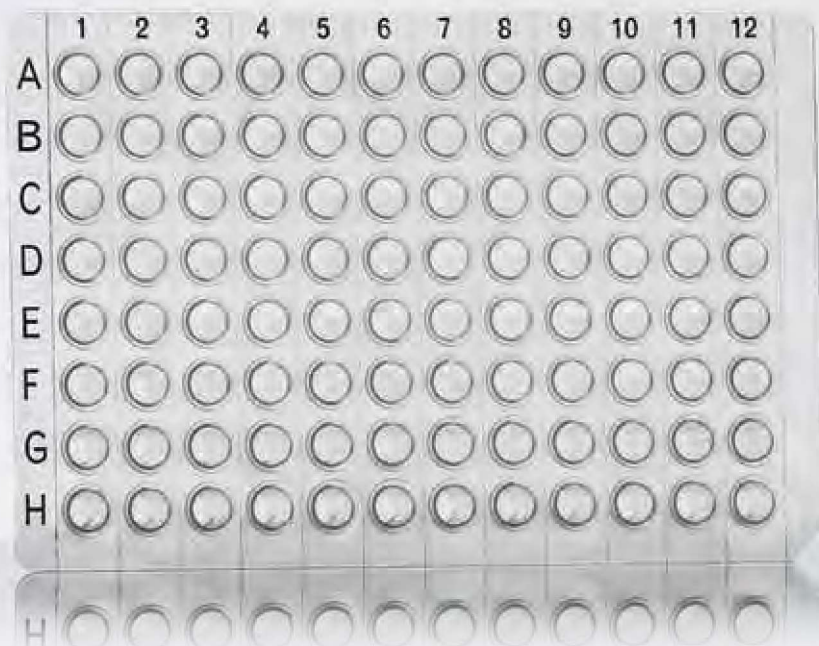
Please see our website, or plate compatibility table on pages 46 to 48, to view the compatibility of Tear-A-Way™ with your thermal cycler or sequencer.



COMING SOON

12 strip Tear-A-Way™ available in 2014

# Tear-A-Way™ PCR Plate

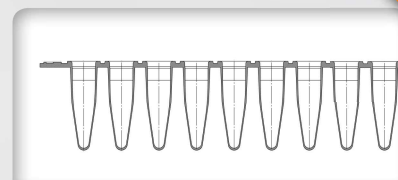


This 96well non-skirted PCR plate is perforated in clean room facilities post manufacture so it can be separated into part plates or into individual strips of 8 tubes.

Tear-A-Way™ maintains all benefits of the standard non-skirted PCR plate, but adds additional flexibility.

	Plate width:	120.00 ± 0.25 mm
	Plate depth:	80.00 ± 0.25 mm
	Plate height (a):	20.20 ± 0.10 mm
	Well depth (b):	20.20 ± 0.10 mm
	Well diameter (c):	5.46 ± 0.10 mm
	Distance to centre of A1 from top edge:	8.75 ± 0.25 mm
	Distance to centre of A1 from left edge:	10.75 ± 0.25 mm
	Pitch (distance between A1 and A2):	9 mm

Code	Description	Plates/Case
4ti-0750/TA	Tear-A-Way™ PCR plate, non-skirted, clear	50
4ti-0750/W/TA	Tear-A-Way™ PCR plate, non-skirted, white	50



### Colour options



- Plate is pre-perforated to enable accurate tearing into strips
- No scissors required
- Every strip is usable
- Compatible with most thermal cyclers
- Thin walled tubes for maximum heat transfer
- Raised well rims prevent cross contamination and facilitate sealing
- Suitable for cap sealing
- RNase, Dnase, Human Genomic DNA free

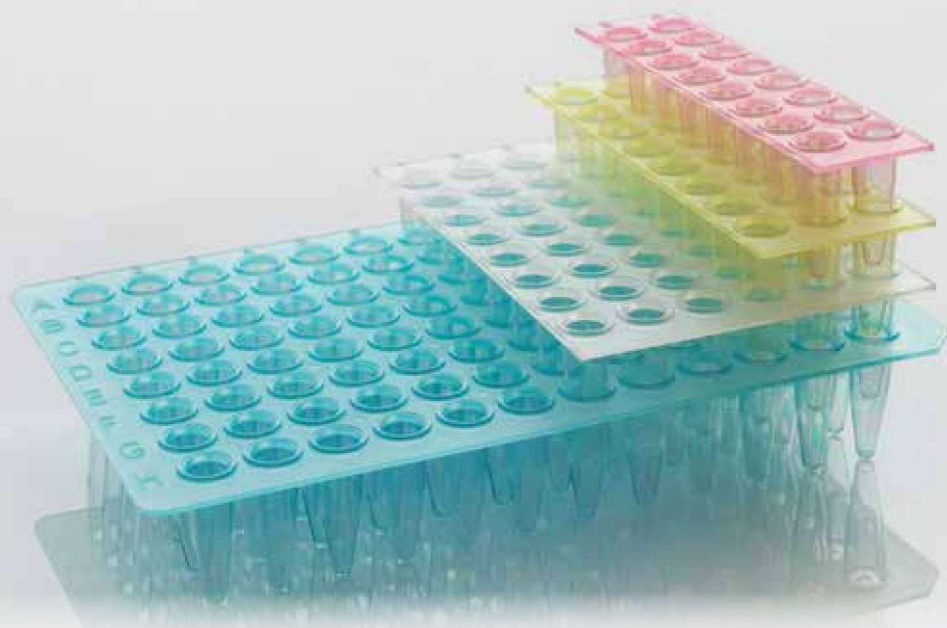
### Also see

- PLATE COMPATIBILITY TABLE (PAGE 46-48)
- HEAT SEALING (PAGE 66-73)
- 4S3 HEAT SEALER (PAGE 64-65)
- ADHESIVE SEALING (PAGE 76-83)
- STRIP CAPS (PAGE 45)



SCAN QR CODE TO CHECK PLATE COMPATIBILITY FOR YOUR INSTRUMENT OR SEE PAGE 46-48  
[www.4ti.co.uk/plate-compatibility](http://www.4ti.co.uk/plate-compatibility)

# Cut segments and strips of the non-skirted plate



**AUTOCLAVABLE** **SBS FOOTPRINT**

**Colour options**

○ ● ● ● ● ●

**MAX = 300µl**  
**WORKING = 250µl**

These cut segments and strips of the unskirted standard profile plate have smooth side edges that allow assembly in a plate adaptor. Compatible with standard multichannel pipettes.

	Plate width:	120.00 ± 0.25 mm
	Plate depth:	80.00 ± 0.25 mm
	Plate height (a):	20.20 ± 0.10 mm
	Well depth (b):	20.20 ± 0.10 mm
	Well diameter (c):	5.46 ± 0.10 mm
	Distance to centre of A1 from top edge:	8.75 ± 0.25 mm
	Distance to centre of A1 from left edge:	10.75 ± 0.25 mm
	Pitch (distance between A1 and A2):	9 mm

Code	Description	Quantity
4ti-0750/8	Plate segment with 1x8wells	600 strips
4ti-0750/16	Plate segment with 2x8wells	300 segments
4ti-0750/24	Plate segment with 3x8wells	200 segments
4ti-0750/32	Plate segment with 4x8wells	150 segments
4ti-0750/48	Half plate segment with 6x8wells	100 segments

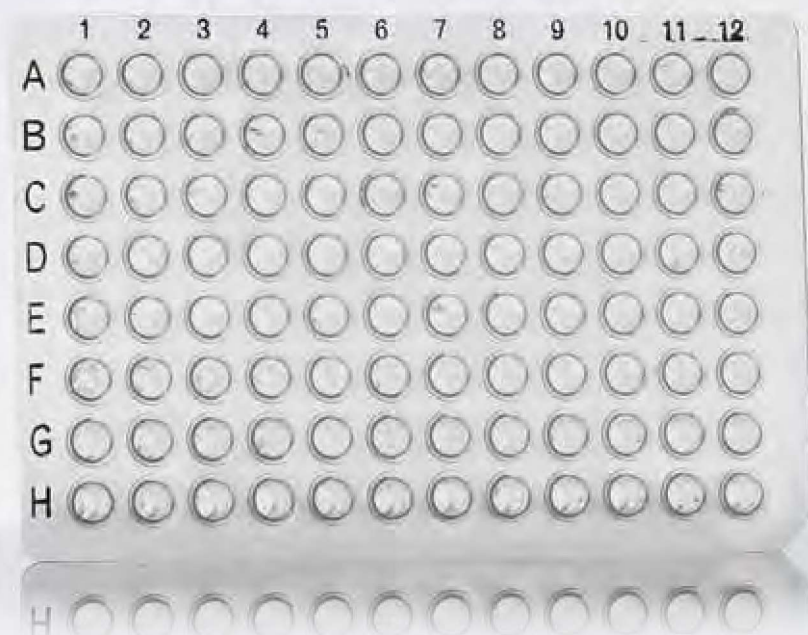
### For colour options

Please add letter to end of the ordering code  
 B = Blue, R = Red, G = Green, Y = Yellow, P = Purple

- Pre-cut segments or strips which can be assembled if needed
- Ideal for tissue typing applications
- Additional colour options now available
- Compatible with most thermal cyclers
- Thin walled tubes for maximum heat transfer
- Suitable for cap sealing
- RNase, DNase, Human genomic DNA free

**Also see**  
 PLATE COMPATIBILITY TABLE (PAGE 46-48)  
 CAP STRIPS (PAGE 45)

## 96well plate with perforated well bottom



This unskirted low-profile plate has a smaller than 0,60mm diameter circular perforation through the bottom of each well. Developed for use in in-gel digestion protocols for Coomassie and Silver stained protein gels it is suitable for other applications as well.

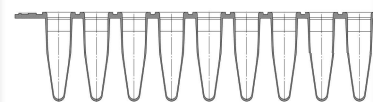
The plate can be placed on top of higher volume storage plates and centrifuged for washing or filtration steps.

	Plate width:	120.00 ± 0.25 mm
	Plate depth:	80.00 ± 0.25 mm
	Plate height (a):	20.20 ± 0.10 mm
	Well depth (b):	20.20 ± 0.10 mm
	Well diameter (c):	5.46 ± 0.10 mm
	Distance to centre of A1 from top edge:	8.75 ± 0.25 mm
	Distance to centre of A1 from left edge:	10.75 ± 0.25 mm
	Pitch (distance between A1 and A2):	9 mm

Code	Description	Plates/Case
4ti-0750/H	Non-skirted 96well plate with perforated well bottom	50

### For use with protocols like Humphries et al

[http://humphrieslab.info/protocols/all-protocols/in\\_gel\\_digestion.html](http://humphrieslab.info/protocols/all-protocols/in_gel_digestion.html)



### Colour options



MAX = 300µl  
WORKING = 250µl



- Precision holes of <0,60mm at the bottom
- Developed for in gel digestion protocols
- Produced from virgin polypropylene with inert low bind properties
- Suitable for heat and adhesive sealing
- RNase, DNase, Human genomic DNA free

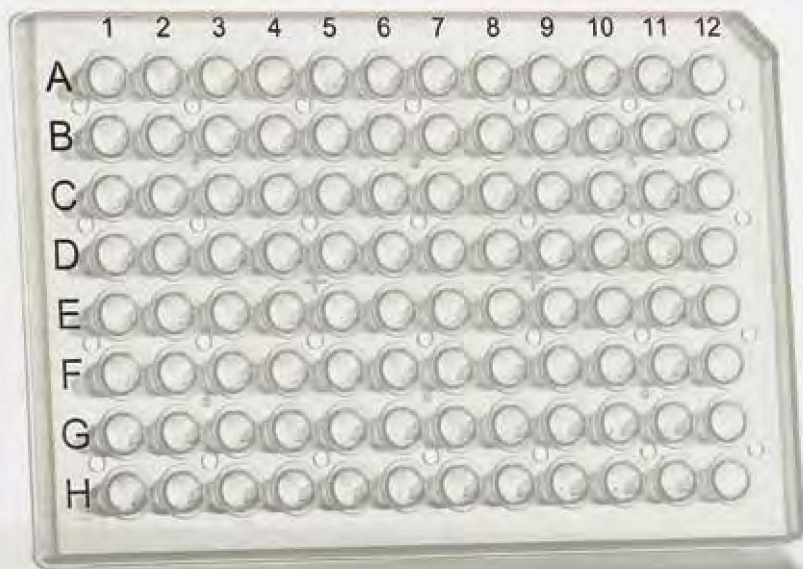
### Also see

HEAT SEALING (PAGE 66-73)

4S3 HEAT SEALER (PAGE 64-65)

ADHESIVE SEALING (PAGE 76-83)

# Standard PCR Plate Semi-skirted



ALPHA-NUMERIC GRID REFERENCE  
 AUTOCLAVABLE  
 SBS FOOTPRINT

**Colour options**

**Other options**

- Available barcoded

**MAX = 300µl**  
**WORKING = 250µl**

This 96well semi-skirted PCR plate is for use in PCR and qPCR applications and holds a well volume of up to 0.3ml. The plate has a cut corner located at A12 and for compatibility refer to table on pages 46 to 48.

Available in clear or white with black alpha-numeric lettering.

This plate is compatible with standard multichannel pipettes. The semi-skirt allows for labelling and barcoding.

	Plate width:	124.42 ± 0.25 mm
	Plate depth:	84.02 ± 0.25 mm
	Plate height (a):	20.70 ± 0.25 mm
	Well depth (b):	20.20 ± 0.10 mm
	Well diameter (c):	5.46 ± 0.10 mm
	Distance to centre of A1 from top edge:	10.51 ± 0.10 mm
	Distance to centre of A1 from left edge:	12.71 ± 0.10 mm
	Pitch (distance between A1 and A2):	9 mm

Code	Description	Plates/Case
4ti-0760	96-well PCR plate, semi skirted	50 plates
4ti-0761	96-well PCR plate, white, semi skirted	50 plates

### Barcode ordering codes

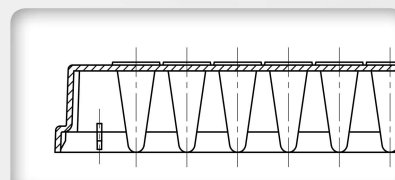
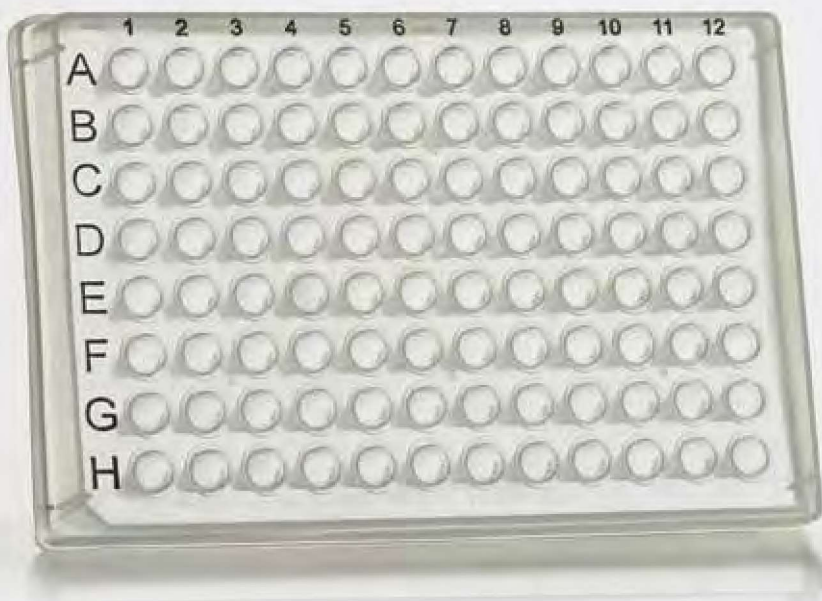
Please add to ordering code /SBC for Standard Single Barcoding or /DBC for Standard Double Barcoding. (See page 54 for more details)

- Compatible with most thermal cyclers
- Polypropylene thin walled tubes for maximum heat transfer
- Raised well rims prevents cross contamination and facilitates sealing
- Suitable for heat and adhesive sealing
- Suitable for cap strips sealing
- RNase, DNase, Human genomic DNA free

**Also see**

PLATE COMPATIBILITY TABLE (PAGE 46-48)  
 HEAT SEALING (PAGE 66-73)  
 4S3 HEAT SEALER (PAGE 64-65)  
 ADHESIVE SEALING (PAGE 76-83)  
 BARCODING (PAGE 54)  
 STRIP CAPS (PAGE 45)

# Standard PCR Plate Skirted, Low Profile



### Colour options



### Other options

- Available barcoded



**MAX = 200µl**  
**WORKING = 150µl**

This 96well skirted, low profile PCR plate is for use in PCR and qPCR applications and holds a well volume of up to 0.2ml. With a cut corner at H1, it is compatible with most thermal cyclers, please see plate compatibility table for details, page 46 to 48.

Available in clear or white with black alpha-numeric lettering. Compatible with standard multichannel pipettes.

	Plate width:	127.76 ± 0.50 mm
	Plate depth:	85.48 ± 0.50 mm
	Plate height (a):	15.50 ± 0.25 mm
	Well depth (b):	15.00 ± 0.10 mm
	Well diameter (c):	5.50 ± 0.10 mm
	Distance to centre of A1 from top edge:	11.24 ± 0.25 mm
	Distance to centre of A1 from left edge:	14.38 ± 0.25 mm
	Pitch (distance between A1 and A2):	9.0 mm

- Low profile
- Compatible with most thermal cyclers
- Polypropylene thin walled tubes for maximum heat transfer
- Raised well rims prevents cross contamination and facilitates sealing
- Suitable for heat and adhesive sealing
- Suitable for cap sealing
- RNase, DNase, Human genomic DNA free

### Also see

- PLATE COMPATIBILITY TABLE (PAGE 46-48)
- HEAT SEALING (PAGE 66-73)
- 4S3 HEAT SEALER (PAGE 64-65)
- ADHESIVE SEALING (PAGE 76-83)
- BARCODING (PAGE 54)
- STRIP CAPS (PAGE 45)



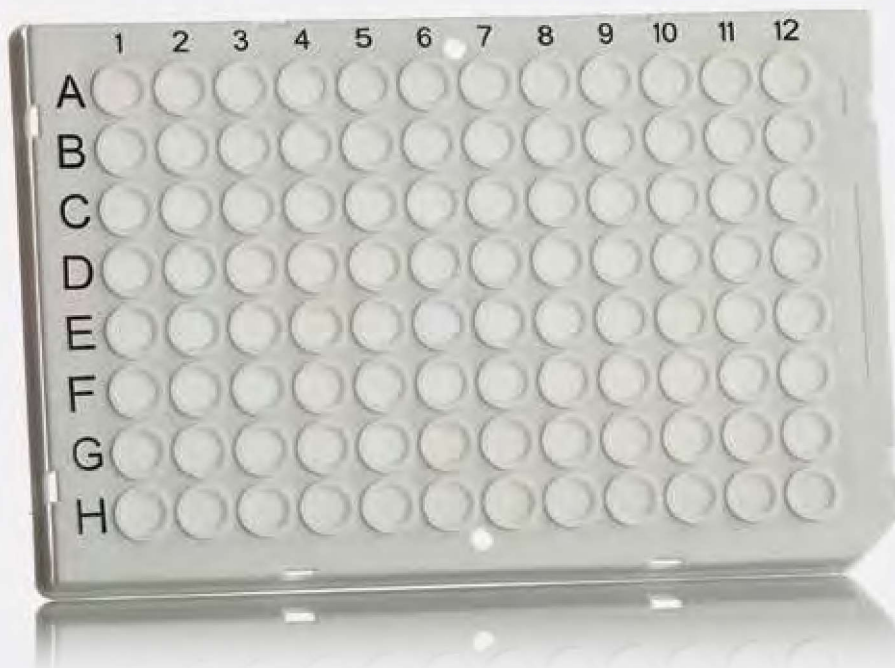
SCAN QR CODE TO CHECK PLATE COMPATIBILITY FOR YOUR INSTRUMENT OR SEE PAGE 46-48  
[www.4ti.co.uk/plate-compatibility](http://www.4ti.co.uk/plate-compatibility)

Code	Description	Plates/Case
4ti-0740	96well PCR plate, skirted	50 plates
4ti-0741	96well PCR plate, white, skirted	50 plates

### Barcode ordering codes

Please add to ordering code /SBC for Standard Single Barcoding or /DBC for Standard Double Barcoding. (See page 54 for more details)

# Standard PCR plate for LC480



ALPHA NUMERIC GRID REFERENCE

AUTOCLAVABLE

SBS FOOTPRINT

LOW PROFILE

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**Colour options**

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**Other options**

- Available barcoded

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**MAX = 200µl**

**WORKING = 150µl**

## For Roche LightCycler® 480

The 4ti-0955 plate is a semi-skirted, low profile plate optimized for use on the Roche LightCycler® to ensure consistent assay performance.

The semi-skirted sides allow barcoding with standard or customized barcodes.

	Plate width:	127.70 ± 0.25 mm
	Plate depth:	85.48 ± 0.25 mm
	Plate height (a):	15.60 ± 0.10 mm
	Well depth (b):	15.10 ± 0.10 mm
	Well diameter (c):	5.50 ± 0.10 mm
	Distance to centre of A1 from top edge:	11.24 ± 0.25 mm
	Distance to centre of A1 from left edge:	14.38 ± 0.25 mm
	Pitch (distance between A1 and A2):	9.00 mm

Code	Description	Plates/Case
4ti-0955	96well semi-skirted PCR plate 480, white	50

### Barcode ordering codes

Please add to ordering code /SBC for Standard Single Barcoding or /DBC for Standard Double Barcoding. (See page 54 for more details)

- Optimized for use with Lightcycler® 480
- Low profile plate
- Polypropylene thin-walled tubes for optimum PCR results
- Raised rims prevent cross contamination and facilitate sealing
- Suitable for heat and adhesive sealing
- Suitable for cap sealing
- RNase, DNase, Human genomic DNA free

**Also see**

PLATE COMPATIBILITY TABLE (PAGE 46-48)

HEAT SEALING (PAGE 66-73)

4S3 HEAT SEALER (PAGE 64-65)

ADHESIVE SEALING (PAGE 76-83)

BARCODING (PAGE 54)

STRIP CAPS (PAGE 45)

SCAN QR CODE TO CHECK PLATE COMPATIBILITY FOR YOUR INSTRUMENT OR SEE PAGE 46-48

[www.4ti.co.uk/plate-compatibility](http://www.4ti.co.uk/plate-compatibility)