

FRAMEstar®

■ ■ ■ ■ BREAK-A-WAY

4titude's® FrameStar® Break-A-Way offers you all the flexibility of tube strips, in a plate.

FrameStar® Break-A-Way is a 96well PCR plate that can easily be divided into smaller plate sections, ensuring no tubes are wasted.

FrameStar® Break-A-Way uses the two-component design of the FrameStar® and FrameStrip™ range. This combines the advantages of thin-walled polypropylene tubes, for optimum PCR results, and a rigid frame portion, for easy and reliable handling.

When used as a plate the benefits of FrameStar® are realised - evaporation, particularly from corner positions and outer rows of wells, is minimal. This allows for downscaling of reagent volumes. When used in strips the benefits of FrameStrip™ are seen, where the rigid two-component design ensures the strip remains straight and stable for ease of handling and enabling 2D barcoding.

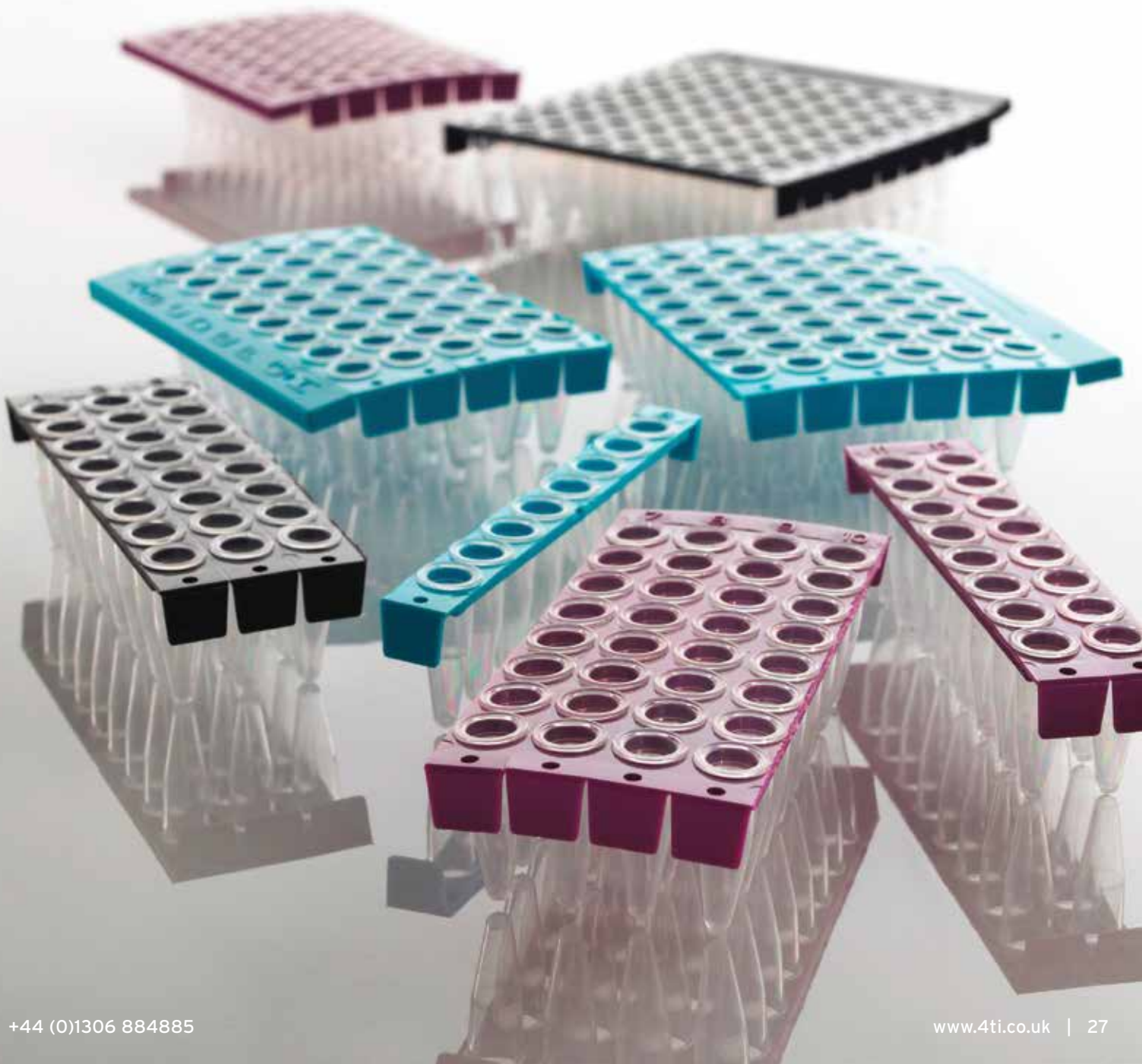
- 96well rigid PCR plate that can be divided into smaller plate sections
- Provides complete flexibility
- Cost-effective
- Rigid 2-component design prevents distortion of tube strips
- Fits the majority of thermal cyclers
- 5 frame colour options with clear wells
- White well option for qPCR and other optical assays
- End tabs for easy handling and labelling
- Eliminates tube strip breakage
- Available 2D barcoded
- Raised well rims prevent cross contamination and facilitate effective sealing
- Suitable for heat and adhesive sealing
- Suitable for cap sealing



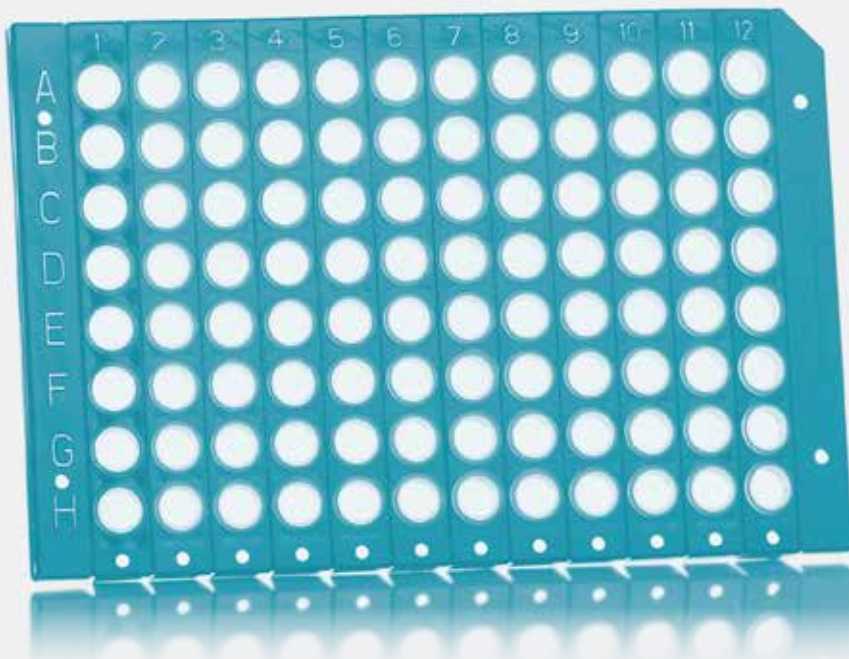
FrameStar® Break-Away is available in 5 frame colours with clear tubes. In addition, we offer them with white tubes optimised for fluorescence assays, like qPCR.

NEW Also available in low profile for low volume PCR.

FrameStar® PCR plates are covered by one or more of the following U.S. patents or their foreign counterparts, owned by Eppendorf AG: US Patent Nos. 7,347,977 and 6,340,589



Break-A-Way



FrameStar® Break-A-Way is a 96 well PCR plate that can easily be divided into smaller plate sections or strips by snapping off at the pre-formed break-lines. This allows flexible and efficient use of the plates.

Break-A-Way plates can be filled, sealed and separated into strips for storage, processing or distribution.

	Plate width:	125.11 ± 0.25 mm
	Plate depth:	83.22 ± 0.25 mm
	Plate height (a):	20.80 ± 0.25 mm
	Well depth (b):	20.30 ± 0.15 mm
	Well diameter (c):	5.46 ± 0.10 mm
	Distance to centre of A1 from top edge:	10.11 ± 0.25 mm
	Distance to centre of A1 from left edge:	13.06 ± 0.25 mm
	Pitch (distance between A1 and A2):	9.00 mm

Code	Description	Plates/Case
4ti-1000/P	FrameStar® Break-A-Way 96-wells, clear tubes, purple frame	50
4ti-1000/B	FrameStar® Break-A-Way 96-wells, clear tubes, blue frame	50
4ti-1000/C	FrameStar® Break-A-Way 96-wells, clear tubes, clear frame	50
4ti-1000/G	FrameStar® Break-A-Way 96-wells, clear tubes, green frame	50
4ti-1000/R	FrameStar® Break-A-Way 96-wells, clear tubes, red frame	50
4ti-1000/X	FrameStar® Break-A-Way 96-wells, clear tubes, black frame	50
4ti-1001	FrameStar® Break-A-Way 96-wells, white wells, black frame	50

ALPHANUMERIC GRID REFERENCE

AUTOCLAVABLE

2-COMPONENT DESIGN

LOW VOLUME
RECOMMENDED FOR LOW VOLUME

SBS FOOTPRINT

Frame Colour options

●
●

●
●
●

Well Colour options

Clear or White

Other options

- Black frame with white wells
- 2D barcoding

MAX = 300µl
WORKING = 250µl

- Rigid PCR plate that can be divided into smaller plate sections and strips
- Easy to break at any temperature
- End tabs for easy handling and labelling
- Numbered strips prevent sample errors
- 2-component design prevents distortion and evaporation
- Raised well rims prevent cross contamination and facilitate effective sealing
- Suitable for heat and adhesive sealing
- Suitable for cap sealing
- RNase, Dnase, Human Genomic DNA free

Also see

FRAMESTAR® FULL FEATURES LIST (PAGE 10-15)

PLATE COMPATIBILITY TABLE (PAGE 46-48)

HEAT SEALING (PAGE 66-73)

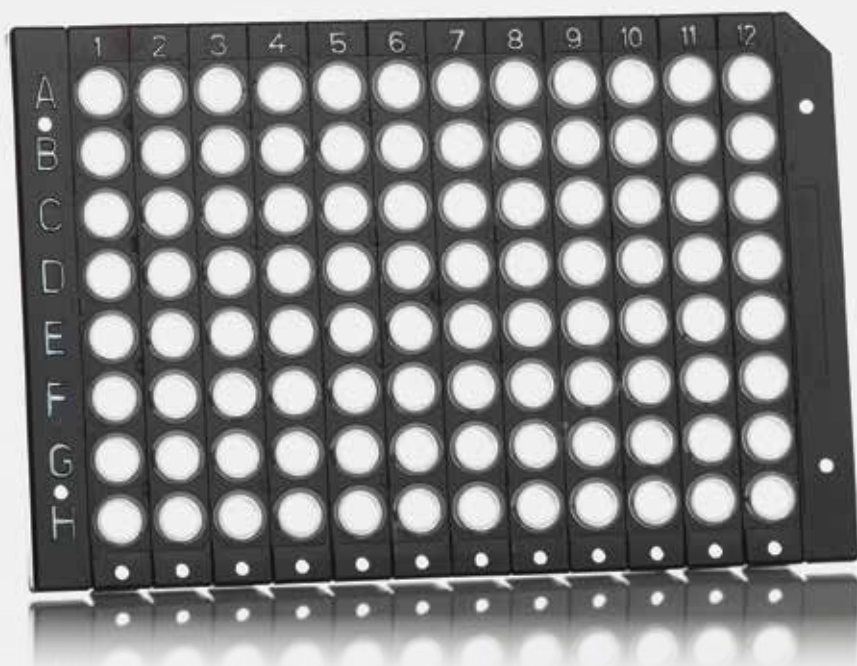
4S3 HEAT SEALER (PAGE 64-65)

ADHESIVE SEALING (PAGE 76-83)

CAP STRIPS (PAGE 45)

PLATE CUTTER (PAGE 53)

Low Profile Break-A-Way



FrameStar® Break-A-Way is a 96 well low profile PCR plate that can easily be divided into smaller plate sections or strips by snapping off at the pre-formed break-lines. This allows flexible and efficient use of the plates.

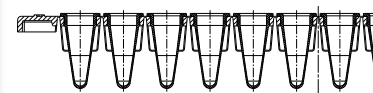
Break-A-Way plates can be filled, sealed and separated into strips for storage, processing or distribution.

	Plate width:	125.11 ± 0.25 mm
	Plate depth:	83.22 ± 0.25 mm
	Plate height (a):	20.80 ± 0.25 mm
	Well depth (b):	15.1 ± 0.15 mm
	Well diameter (c):	5.50 ± 0.10 mm
	Distance to centre of A1 from top edge:	10.11 ± 0.25 mm
	Distance to centre of A1 from left edge:	13.06 ± 0.25 mm
	Pitch (distance between A1 and A2):	9.00 mm

Code	Description	Plates/Case
4ti-1200/P	FrameStar® Break-A-Way Plate, 96-well, low profile, clear wells, purple frame	50
4ti-1200/B	FrameStar® Break-A-Way Plate, 96-well, low profile, clear wells, blue frame	50
4ti-1200/C	FrameStar® Break-A-Way Plate, 96-well, low profile, clear wells, clear frame	50
4ti-1200/G	FrameStar® Break-A-Way Plate, 96-well, low profile, clear wells, green frame	50
4ti-1200/R	FrameStar® Break-A-Way Plate, 96-well, low profile, clear wells, red frame	50
4ti-1200/X	FrameStar® Break-A-Way Plate, 96-well, low profile, clear wells, black frame	50
4ti-1201	FrameStar® Break-A-Way Plate, 96-well, low profile, white wells, black frame	50



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



Frame Colour options



Well Colour options

Clear or White

Other options

- Black frame with white wells
- 2D barcoding



MAX = 200µl
 WORKING = 150µl

- Low profile plate
- Rigid PCR plate that can be divided into smaller plate sections and strips
- Easy to break at any temperature
- End tabs for easy handling and labelling
- Numbered strips prevent sample errors
- 2-component design prevents distortion and evaporation
- Raised well rims prevent cross contamination and facilitate effective sealing
- Suitable for heat and adhesive sealing
- Suitable for cap sealing
- RNase, Dnase, Human Genomic DNA free

Also see

FRAMESTAR® FULL FEATURES LIST (PAGE 10-15)
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