



Thermo Scientific Nunc LockWell Breakable Strips

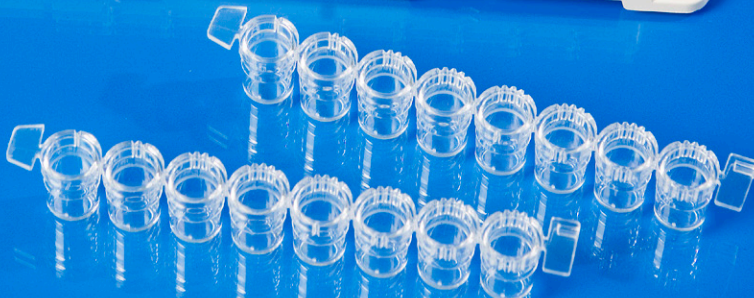
The right plate for your ELISA

- Flexibility
- Reliability
- Easy handling
- Consistent performance

Thermo Scientific Nunc LockWell Breakable Strips

LockWell breakable strips provide flexibility for solid phase Immunoassays

LockWell allows diagnostic assays from large scale screening to single well tests to be performed in one format.



◀ High flexibility

Each Well Locks in the Frame at the Same Horizontal Level

Wells lock in same horizontal position

The Thermo Scientific LockWell™ frame has a unique spring lock which holds each individual well in the frame through an undercut in the well. This helps ensure strips and individual wells when reinserted are locked into place at the same horizontal position.

Uniform washing and accurate reading

When the LockWell breakable strips are locked in the frame then they are at the same horizontal position allowing uniform washing and accurate reading. This gives a low coefficient of variation when performing ELISA in the plate.

High efficiency

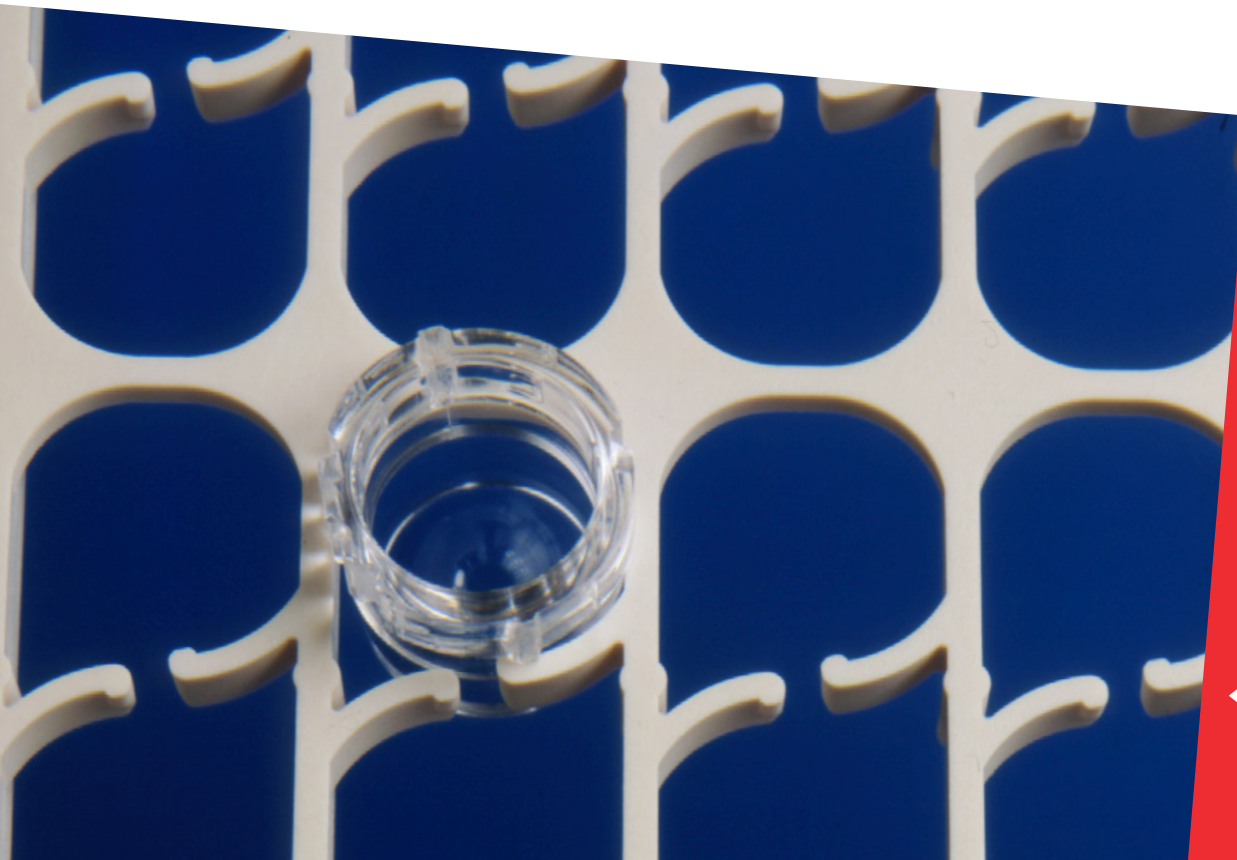
The LockWell breakable strip is designed to fit standard coating systems and other laboratory instrumentation. This helps ensure a high efficiency when working with multiple plates and avoid jamming of the production process.

Safe manual handling

LockWell breakable strips and individual wells are retained in the frame during normal handling in the laboratory, for example when tapping.

No tools required

LockWell breakable strips and individual wells are easy to insert and remove from the frame without the use of any special tools.



◀ **Single well locks in position**

The Configuration of LockWell Breakable Strips

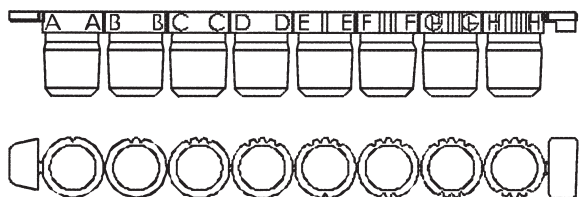
MicroWell format

The LockWell frame has a standard 96 MicroWell™ plate format. Each plate consists of 1 x 8 breakable strips assembled in a LockWell frame of 12 strips per plate.

Individual well identification

Letters and notches on single wells allow easy recognition of single well.

Engraved alphanumeric well identification on the frame permits sealing with tape and easy recognition of single wells.



U8

Round bottom 320µL/well



C8

Flat bottom with curved edges 350µL/well



C8 StarWell

Flat bottom with curved edges and eight fins 330µL/well



Orientation of the eight fins.

Standard
MicroWell format
and individual
identification ▶

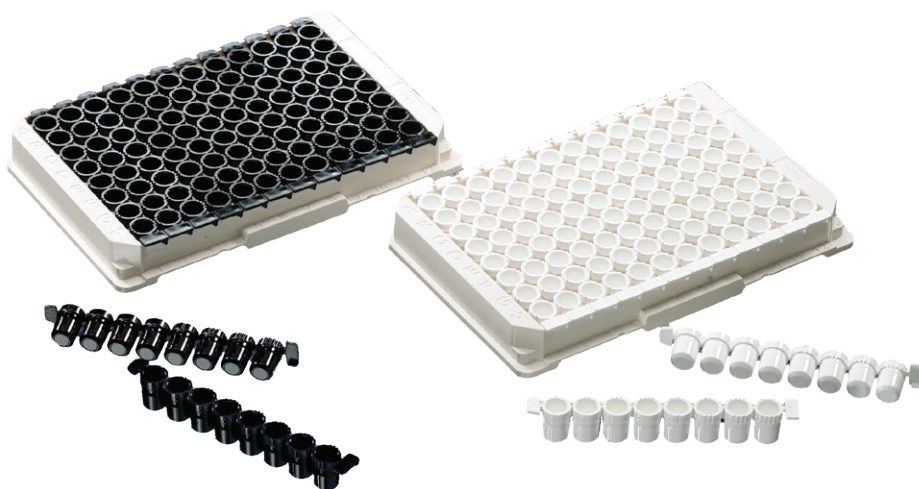


The Color of LockWell Breakable Strips

The standard for diagnostic ELISA

Flexibility in solid phase immunoassays

- Transparent for colormetric detection
- Black for fluorescence detection
- White for luminescent detection



Consistent performance

Product quality is consistently monitored and complies with the high quality standards that we have specified for Thermo Scientific products. Our quality is documented in lot specific certificates.

The Quality Management System is certified according to the quality system standard ISO:9001:2008 and ISO 13485:2003.



Easy Handling of LockWell Breakable Strips

Release a strip



Insert a strip



Lift a strip



Identifiable individual wells



How to detach a well

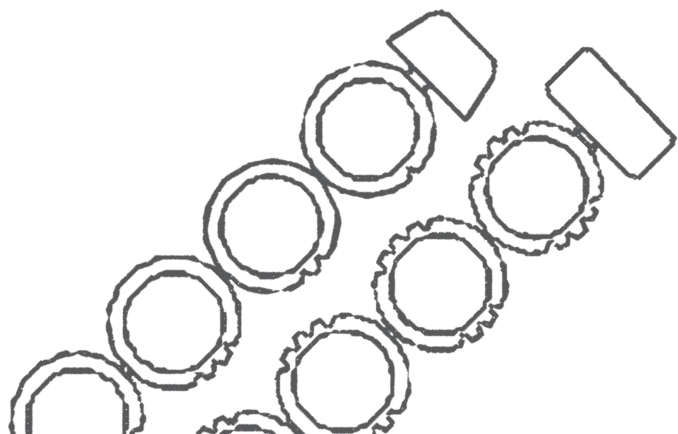


Tapping



Note

The different shapes of the tabs together with the location pins at one end of the strip ensure correct orientation in the LockWell frame.



Well shapes

U shape for optimal washing (320µL/well)

C shape for monochromatic reading and improved washing (350µL/well)

C shape with fins for increased surface/volume ratio and increased sensitivity (330µL/well)

Surface options

PolySorp, MediSorp, MaxiSorp, MultiSorp, Immobilizer Amino, Immobilizer Streptavidin

Certified quality

The coefficient of variation (CV) is less than 5% (MaxiSorp clear)

Uniform washing and reading

Strips and wells are at the same horizontal level by means of a spring lock in the LockWell frame

High optical quality

Strips made of high grade virgin polystyrene ensure high optical quality

Safe and easy handling

Strips and wells are locked in the frame

Strips and wells are retained in the frame during inversion

Strips and wells are easy to insert and remove from the frame

Easy to detach wells

Individual well identification by both letters and notches on wells

Writing area on the strip tab

Uniform orientation of the strip

Easy to seal plate with tape

Large alphanumeric identification on frame



Thermo Scientific Solid Phase Guide



an introduction to
solid phase techniques



To help you find the best product for your application

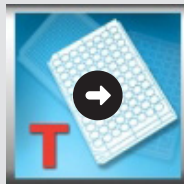
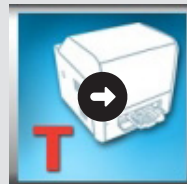


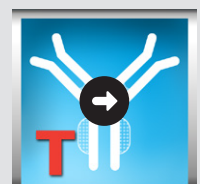
Plate Selection
Guide



Microplate Readers



Diagnostic
and Packaging
Resources



In Vitro Diagnostic
Products Guide

LockWell product range

- Thermo Scientific PolySorp surface is the most hydrophobic surface for passive binding of e.g. lipids or lipoproteins
- Thermo Scientific MediSorp surface is slightly hydrophilic for passive binding of proteins (e.g. antigens) and reduces background noise in the presence of serum
- Thermo Scientific MaxiSorp surface is optimized for passive binding of IgG (antibody)
- Thermo Scientific MultiSorp is the most hydrophilic surface for passive binding of e.g. glycans
- Thermo Scientific Immobilizer Amino is ideal for covalent binding of small biomolecules (e.g. peptide)
- Thermo Scientific Immobilizer Streptavidin is optimal for binding biotinylated compounds



Thermo Scientific Nunc LockWell breakable strips, framed

96 wells per frame. Polystyrene. External dimensions 128 x 86 mm

Cat. No.	446442	463200	446473	463201*	446471*	446469*
Configuration	C8 x 12	C8 x 12	C8 x 12	C8 x 12	C8 x 12	C8 x 12
Surface	PolySorp	PolySorp	PolySorp	MaxiSorp	MaxiSorp	MaxiSorp
Total volume, µL/well	350	350	350	350	350	350
Colour	Clear	White	Black	White	Black	Clear
Units per pack/case	10/60	10/60	10/60	10/60	10/60	10/60

*Certificate included

Thermo Scientific Nunc LockWell breakable strips

96 wells per frame. Polystyrene. External dimensions 128 x 86 mm

Cat. No.	446639* **	448526* **	446470*	446490	436023*	436022*
Configuration	U8 x 12	C8 StarWell x 12	C8 x 12	C8 x 12	C8	C8
Surface	MaxiSorp	MaxiSorp	MediSorp	MultiSorp	Immobilizer Amino	Immobilizer Streptavidin
Total volume, µL/well	320	330	350	350	350	350
Colour	Clear	Clear	Clear	Clear	Clear	Clear
Units per pack/case	10/60	10/60	10/60	10/60	5/30	1/15

*Certificate included **Available in EMEA only

Thermo Scientific Nunc LockWell frame

External dimensions 128 x 86 mm

Cat. No.	465404
Description	Frame
Material	Acrylonitrile-Butadiene-Styrene
Units per pack/case	10/60

Find the best product for your application

Please visit our plate selection tool

thermofisher.com/plateguide »



Find out more at thermofisher.com/elisaplates