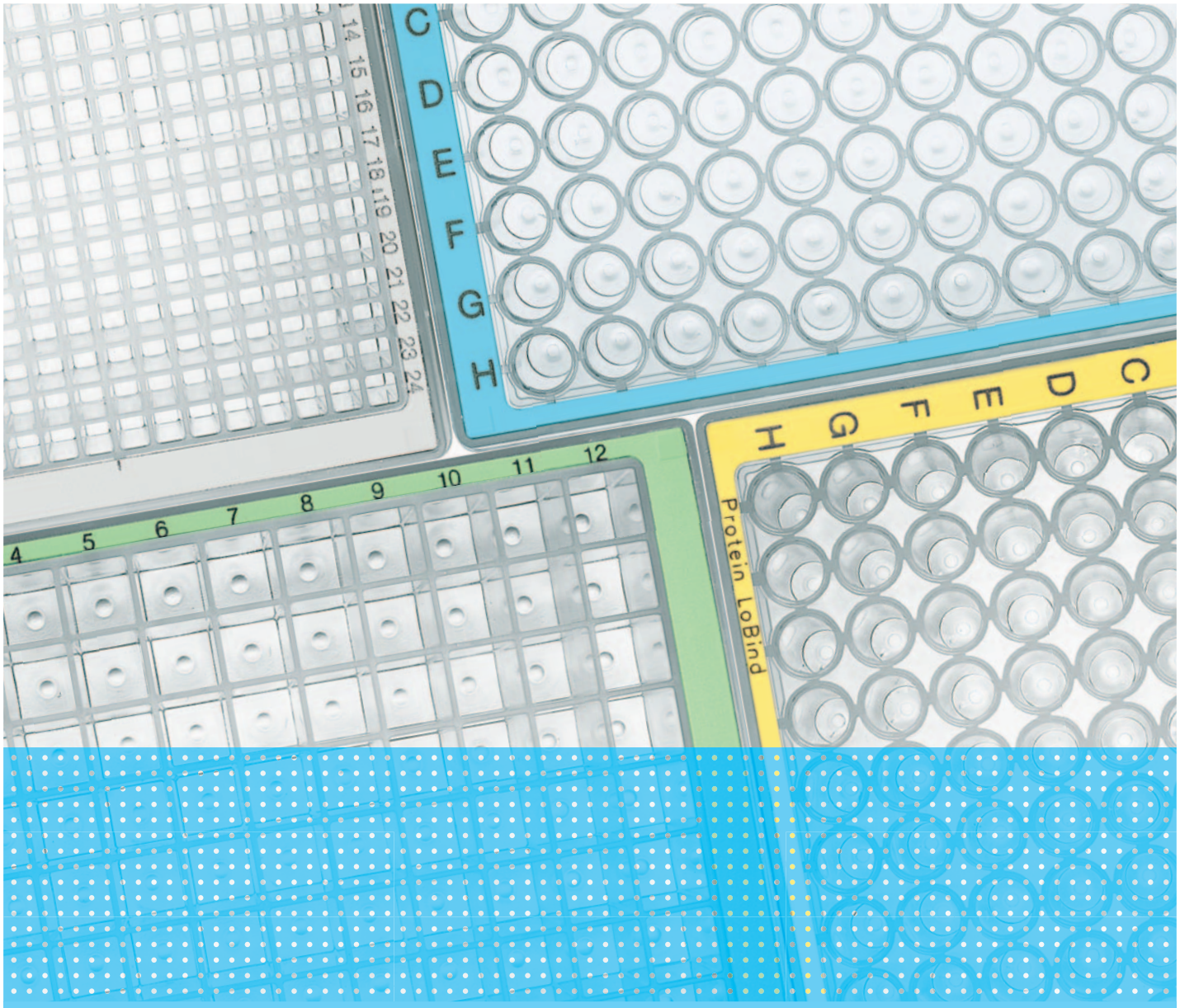
eppendorf



Get More!

Quality – Stability – Purity: Eppendorf Plates™

»Quality begins on the inside, then works its way out.«

Eppendorf Plates™ are produced, handled, stored and delivered according to highest quality and purity standards—that is what our customers call the Eppendorf Quality. Our plates are manufactured from carefully selected and purest raw materials that comply with international criteria for maximum purity. Fully automated production in clean room conditions excludes human interaction and possible contamination. Just examples for our quality process. With the strictest control criteria, internally and externally monitored, we guarantee the superior consistency of our products and your results—batch by batch.

»We have seen substantial inhibition of our enzyme assays by chemicals leaching from disposable plastic consumables. To obtain the best possible reproducibility we use consumables from manufacturers that can confirm the absence of critical manufacturing additives.«

Dr. Andrew Holt
Department of Pharmacology, University of Alberta, Canada

»We need to avoid that contaminants from the plastic material enter the sample and inhibit bacterial growth. The consumables that we use to analyse water samples should be of the highest purity to obtain reliable results.«

Karen Thomsen
Microbiology Central Laboratory, Hamburg Water GmbH, Germany

»Our DNA isolation protocols from both animal and plant material require grinding of tissue prior to and during the cell lysis process. As we work with high numbers of samples, breaking of consumables and subsequent sample loss can be critical. The excellent quality and stability of the 1 mL Deepwell Plates from Eppendorf convinced us as it improved the reliability of our process significantly.«

Dr. Paul Gooding
Plant Genomics Centre, Australian Genome Research Facility

Eppendorf Deepwell Plates

Eppendorf Deepwell Plates 96 and 384 are high-performance plates for all manual and automated applications — from sample storage at –86 °C to DNA denaturation at 100 °C. Manufactured from purest polypropylene (PP), these plates offer innovative features: more dependability, more efficiency, more stability.

Applications

> Sample storage and preparation
> Bacteria and yeast cultivation
> DNA and RNA isolation with high throughput
> Storage of cDNA or genomic banks
> Storage of siRNA or oligonucleotide libraries
> Storage and analysis of protein and DNA samples in Eppendorf LoBind® plates

Product features

> OptiTrack® matrix: 30 % faster well identification and less pipetting errors via high-contrast alphanumeric labeling
> Conical RecoverMax® well design: Optimized well geometry for maximum sample recovery and excellent mixing properties
> Minimized remaining/dead volume in automated applications through highest uniformity from well to well
> Raised well rims and smooth surface for reliable closing, also with repeated heat sealing
> g-safe®: exceptional centrifugation stability up to 6,000 × *g* for faster protocols and improved sample quality
> Available with barcode (upon request)

> For more information go to www.eppendorf.com/consumables

Eppendorf Microplates

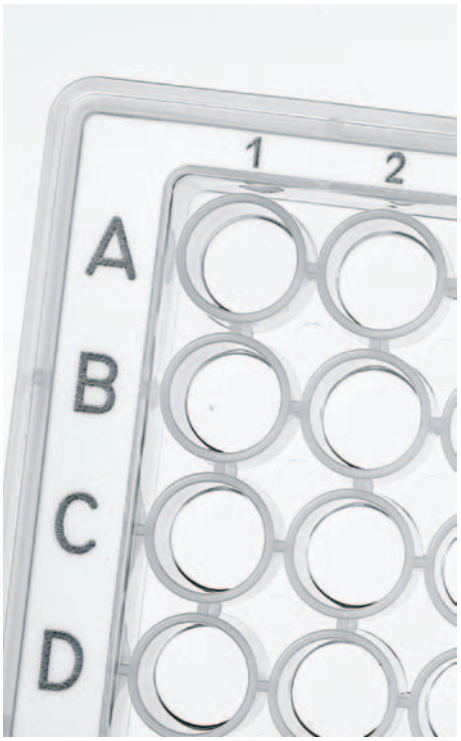
The Eppendorf Microplates bring a unique clarity to your laboratory! It has never been this easy to pipette, control and recover samples with a polypropylene microplate. The high transparency is »one-of-a-kind« and ensures that you can always quickly locate your samples. The Microplates are also available in Eppendorf LoBind material for maximum sample recovery.

Applications

> Sample storage and preparation
> Assays that require high resistance against temperature or solvents
> Active ingredient screening
> Combinatorial chemistry
> Storage of cDNA or genomic banks
> Protein analysis

Product features

> Unmatched, transparent polypropylene for improved sample visibility
> OptiTrack® matrix: 30 % faster well identification and less pipetting errors via high-contrast alphanumeric labeling
> RecoverMax® well design: Optimized well geometry for minimal remaining volume and excellent mixing properties
> g-safe®: exceptional centrifugation stability up to 6,000 × *g*
> High resistance to chemicals, mechanical stress and temperature extremes
> Available with barcode (upon request)



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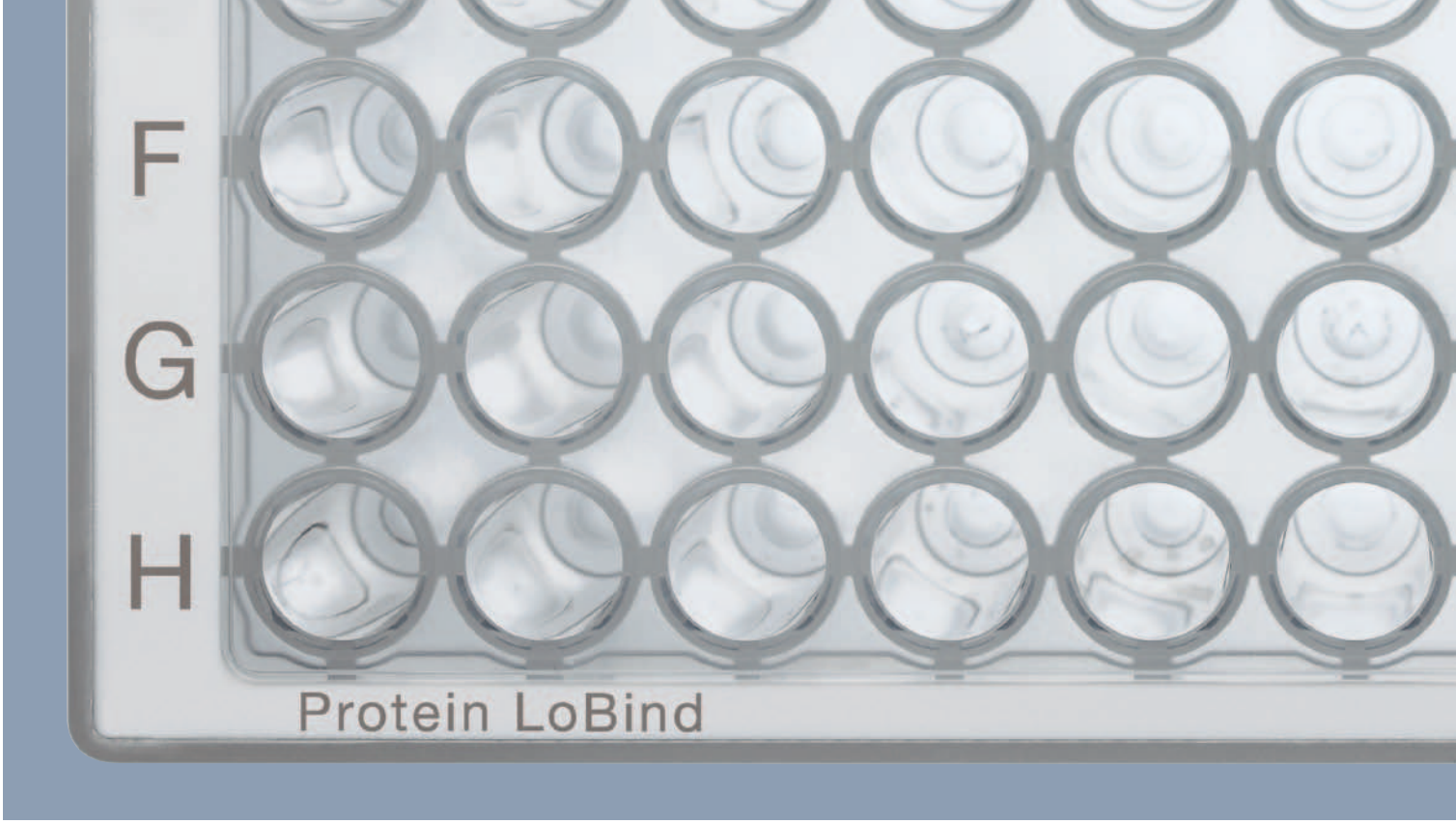


Eppendorf LoBind® Plates

Protein LoBind Plates
When biological samples are stored or incubated in standard vessels, over 90 % of the sample volume can be lost within 24 hours as a result of binding of biomolecules to the plastic surface. Eppendorf LoBind plates maximize sample recovery by significantly reducing sample binding to the surface.

Applications
> Preparation or storage of protein, peptide or antibody samples
> Enzymatic assays - the hydrophilic surface reduces denaturation of enzymes when they come into contact with the tube inner wall
> Prevention of sample loss during storage of virus stock solutions
> Storage of cell suspensions

DNA LoBind Plates
DNA LoBind plates improve recovery of nucleic acids by reducing their absorption to the tube wall. A combination of special manufacturing technologies and selected polypropylene batches ensures nearly 100 % recovery of DNA/RNA molecules-without surface coating to eliminate the risk of sample contamination.

Applications
> Preparation or storage of DNA and RNA samples
> Forensic trace analysis
> Preparing dilution series in quantitative PCR
> Sample preparation in next-generation sequencing
> Creation of genomic or oligonucleotide libraries

> For more information go to www.eppendorf.com/consumables

Product features

> LoBind material guarantees maximum sample recovery for improved assay results
> Free of surface coating (e.g., silicone) to minimize the risk of sample interference
> Lot-tested and certified free of DNA, DNase, RNase and PCR inhibitors (PCR clean)
> Available in tube, microplate, PCR plate and deepwell plate formats for easy-up scaling
> Unique OptiTrack® matrix: 30 % faster well identification and less pipetting errors
> RecoverMax® well design: Optimized well geometry for minimal remaining/dead volume and excellent mixing properties
> Raised well rims and a smooth surface guarantee reliable sealing in plates
> Available with barcode (upon request)

> For more information go to www.eppendorf.com/consumables

Eppendorf Assay/Reader Microplates

Eppendorf assay plates are optimized for measuring absorbance assays in the visible and UV range, fluorescence and chemiluminescence assays. Solid plates are suitable for top-reading plate readers. Clear plates and black/clear plates can be used with top- and bottom-reading plate readers.

Applications

> Clear VIS and UV-VIS plates for all absorbance assays in the visible and UV range
> Black and white Microplates for fluorescence and luminescence detection.
> DNA- and protein determination with absorbance or fluorescent dyes
> Cell based assays
> Cell viability and apoptosis assays
> Cell imaging

Product features

> UV-VIS microplates feature an ultrathin film bottom for excellent light transmission in the UV range
> Black Eppendorf Microplates offer an excellent signal-to-noise ratio—for clear signals even with low-concentration samples
> White Eppendorf Microplates are optimized for highest sensitivity in the detection of luminescence signals by maximizing reflection
> Solid black and white assay plates are made of polypropylene resulting in high resistance to chemicals, mechanical stress and temperature extremes
> All plates are optimized for minimal autofluorescence and autoluminescence

> For more information go to www.eppendorf.com/consumables

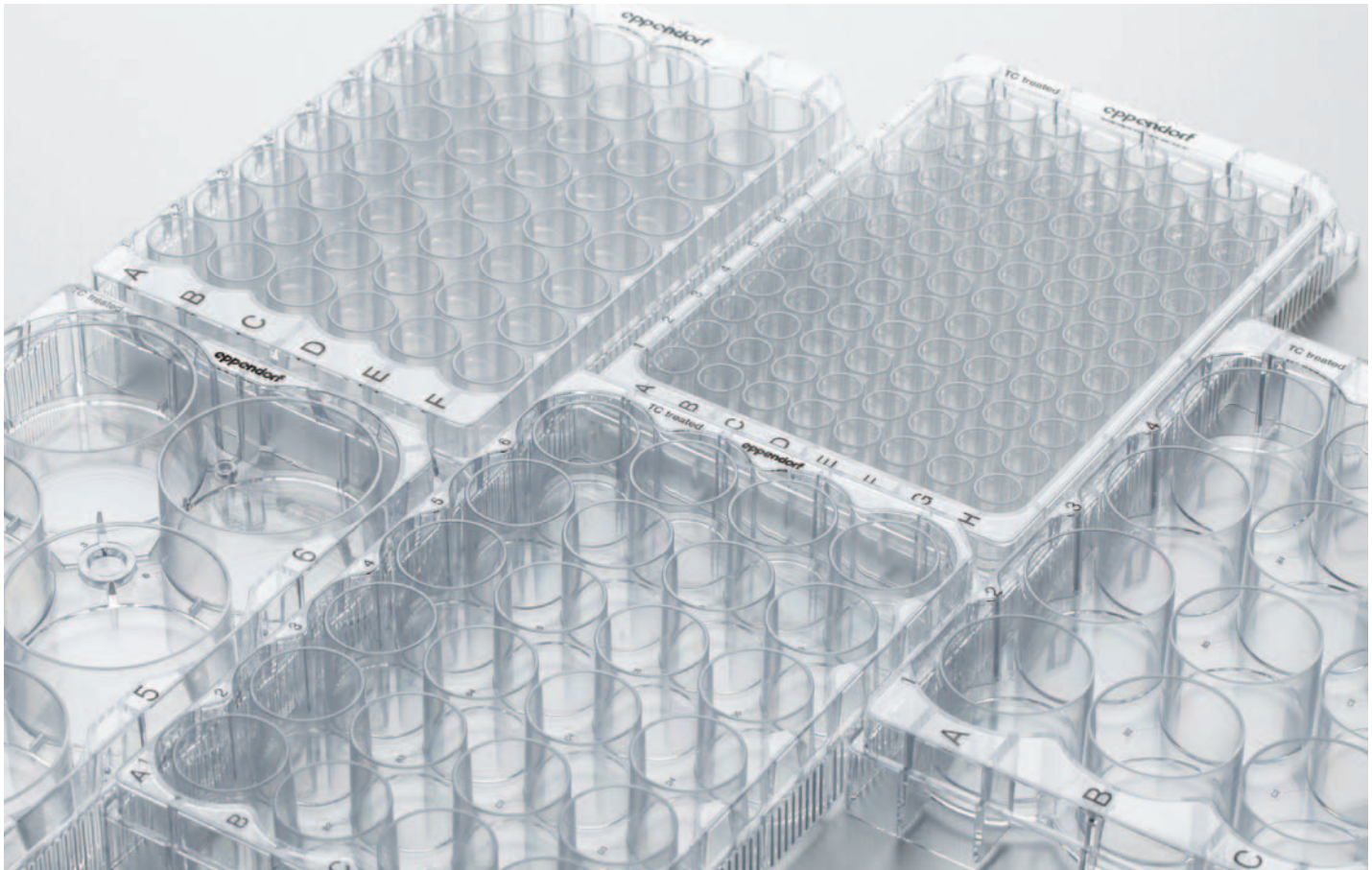
Eppendorf Cell Culture Plates

Eppendorf Cell Culture Plates are tailored for the expansion of smaller cell numbers as well as for cell-based assays. Qualification of cell morphology and cell performance can be especially critical in plates, so optimized optical performance by improved planarity, reduction of the meniscus and clarity of the material facilitate every step where manual or automated read-out is necessary.

The realized chimney-well design allows for avoidance of inhomogeneous growth of cells in the outer ring of wells in every plate format which reduces costs and increases efficiency.

Product features

> Facilitated well identification by contrast rich individual well ID
> The OptiTrack® contrast rich alphanumeric labeling allows for 30 % faster well identification and less pipetting errors
> Moat surrounding the outer wells in all formats to prevent the »edge effect« when filled with liquid
> Chimney-well design to enable the filling of the inter well spaces of the complete plate to level out temperature changes and to prevent cross-contamination during pipetting errors
> Robust stacking performance by pronounced rims on plate lid and excellent fitting of lid and base when used in stacks
> Pronounced ventilation gaps for optimized gas and temperature transfer



Eppendorf twin.tec® PCR Plates

A snug fit to the PCR cycler and a solid base for tight sealing are the most important attributes of a PCR plate. The Eppendorf twin.tec PCR plate is dimensionally stable to support both functions. The rigid polycarbonate frame keeps the shape even at high temperatures. So you can take your samples out of the plate after the PCR easily.

The effective sealing is further supported by raised rims which will form a very tight entity with the sealing material. If you think a PCR plate is just a PCR plate, you will be surprised to see how much the twin. tec PCR Plate from Eppendorf can offer you.

Product features

> One-piece design: combining a polycarbonate frame and polypropylene wells for optimum performance
> Extremely thin-walled polypropylene wells guarantee optimum heat transfer to the sample
> Exceptionally solid and torque-resistant polycarbonate frame
> Improved well-to-well tolerance
> Cut-away corner and alphanumeric grid-referencing
> Raised well rims for effective sealing, also reduces risk of cross-contamination
> Certified free of any detectable human DNA, DNase, RNase and PCR inhibitors
> Available with barcode (upon request)
> Ideal for quantitative real-time PCR as well

> For more information go to www.eppendorf.com/twintec

Sealing Options for Eppendorf Plates™

Product features

> Storage Film and Foil adhesive seals for simple and dependable sealing during sample storage
> Heat Sealing Film and foil for continuous locking with the best evaporation protection
> PCR Film and Foil provide effective adhesive sealing in PCR plates thus preventing evaporation loss during PCR
> Masterclear real-time PCR Film is optimized for maximum light transmission
> Foil products are made of aluminum, can be pierced, and protect light-sensitive samples
> Film products are transparent and provide protection against unwanted punctures
> Eppendorf Plate® Lid: stable, flexible protection of samples during short-term storage
> Eppendorf Sealing Mats are autoclavable and reusable

Technical specifications

Description	Heat Sealing Film	Heat Sealing Foil
Packaging unit	1 × 100 pcs.	1 × 100 pcs.
Features	> Optically clear polyester/polypropylene laminate > Extremely stable sealing option — cannot be removed or pierced	> Laminated aluminium foil > Easily pierced — even with multichannel pipettes > Easily removable
Seal integrity	–80 °C to 100 °C	–80 °C to 100 °C
Sealing time with Eppendorf Heat Sealer	4 sec.	4 sec.
Weldable materials	Polypropylene	Polypropylene
Special applications	> Colorimetric applications > Fluorescence applications, including real-time PCR > Storage of hazardous samples > Long term storage of samples	> Recommended for use in automated systems

> For more information go to www.eppendorf.com/consumables

Eppendorf Deepwell Plates

Ordering information

Description	Color	Order no.
Deepwell Plate 96/2000 µL, wells clear, 2,000 µL		
PCR clean, 20 plates (5 bags × 4 plates)	☐ white	0030 501.306
PCR clean, 20 plates (5 bags × 4 plates)	yellow	0030 501.314
PCR clean, 20 plates (5 bags × 4 plates)	green	0030 501.330
PCR clean, 20 plates (5 bags × 4 plates)	blue	0030 501.349
PCR clean, 80 plates (10 bags × 8 plates)	☐ white	0030 505.301
sterile, 20 plates (5 bags × 4 plates)	☐ white	0030 502.302
sterile, 20 plates (5 bags × 4 plates)	yellow	0030 502.310
sterile, 20 plates (5 bags × 4 plates)	green	0030 502.337
sterile, 20 plates (5 bags × 4 plates)	blue	0030 502.345
sterile, 80 plates (10 bags × 8 plates)	☐ white	0030 506.308
Deepwell Plate 96/1000 µL, wells clear, 1,000 µL		
PCR clean, 20 plates (5 bags × 4 plates)	☐ white	0030 501.209
PCR clean, 20 plates (5 bags × 4 plates)	yellow	0030 501.217
PCR clean, 20 plates (5 bags × 4 plates)	green	0030 501.233
PCR clean, 20 plates (5 bags × 4 plates)	blue	0030 501.241
PCR clean, 80 plates (10 bags × 8 plates)	☐ white	0030 505.204
sterile, 20 plates (5 bags × 4 plates)	☐ white	0030 502.205
sterile, 20 plates (5 bags × 4 plates)	yellow	0030 502.213
sterile, 20 plates (5 bags × 4 plates)	green	0030 502.230
sterile, 20 plates (5 bags × 4 plates)	blue	0030 502.248
sterile, 80 plates (10 bags × 8 plates)	☐ white	0030 506.200
Deepwell Plate 96/500 µL, wells clear, 500 µL		
PCR clean, 40 plates (5 bags × 8 plates)	☐ white	0030 501.101
PCR clean, 40 plates (5 bags × 8 plates)	yellow	0030 501.110
PCR clean, 40 plates (5 bags × 8 plates)	green	0030 501.136
PCR clean, 40 plates (5 bags × 8 plates)	blue	0030 501.144
PCR clean, 120 plates (10 bags × 12 plates)	☐ white	0030 505.107
sterile, 40 plates (5 bags × 8 plates)	☐ white	0030 502.108
sterile, 40 plates (5 bags × 8 plates)	yellow	0030 502.116
sterile, 40 plates (5 bags × 8 plates)	green	0030 502.132
sterile, 40 plates (5 bags × 8 plates)	blue	0030 502.140
sterile, 120 plates (10 bags × 12 plates)	☐ white	0030 506.103
Deepwell Plate 384/200 µL, wells clear, 200 µL		
PCR clean, 40 plates (5 bags × 8 plates)	☐ white	0030 521.102
PCR clean, 120 plates (10 bags × 12 plates)	☐ white	0030 525.108
sterile, 40 plates (5 bags × 8 plates)	☐ white	0030 522.109
sterile, 120 plates (10 bags × 12 plates)	☐ white	0030 526.104

Eppendorf Microplates

Ordering information

Description	OptiTrack® frame color	Order no.
Microplate 96/F, wells clear		
PCR clean, 80 plates (5 bags × 16 plates)	☐white	0030 601.106
sterile, 80 plates (5 bags × 16 plates)	☐white	0030 602.102
Microplate 96/U, wells clear		
PCR clean, 80 plates (5 bags × 16 plates)	☐white	0030 601.203
sterile, 80 plates (5 bags × 16 plates)	☐white	0030 602.200
Microplate 96/V, wells clear		
PCR clean, 80 plates (5 bags × 16 plates)	☐white	0030 601.300
sterile, 80 plates (5 bags × 16 plates)	☐white	0030 602.307
Microplate 384/F, wells clear		
PCR clean, 80 plates (5 bags × 16 plates)	☐white	0030 621.107
sterile, 80 plates (5 bags × 16 plates)	☐white	0030 622.103
Microplate 384/V		
PCR clean, 80 plates (5 bags × 16 plates)	☐white	0030 621.301
sterile, 80 plates (5 bags × 16 plates)	☐white	0030 622.308

Eppendorf Assay/Reader Microplates

Ordering information

Description	Material	Order no.
Microplate 96/F, wells white, PCR clean, border gray, 80 plates (5 bags × 16 plates)	polypropylene	0030 601.475
Microplate 96/U, wells white, PCR clean, border gray, 80 plates (5 bags × 16 plates)	polypropylene	0030 601.572
Microplate 96/V, wells white, PCR clean, border gray, 80 plates (5 bags × 16 plates)	polypropylene	0030 601.670
Microplate 384/V, wells white, PCR clean, border gray, 80 plates (5 bags × 16 plates)	polypropylene	0030 621.670
Microplate 96/F, wells black, PCR clean, border white, 80 plates (5 bags × 16 plates)	polypropylene	0030 601.700
Microplate 96/U, wells black, PCR clean, border white, 80 plates (5 bags × 16 plates)	polypropylene	0030 601.807
Microplate 96/V, wells black, PCR clean, border white, 80 plates (5 bags × 16 plates)	polypropylene	0030 601.904
Microplate 384/V, wells black, PCR clean, border white, 80 plates (5 bags × 16 plates)	polypropylene	0030 621.905
Cell Imaging Plate, wells black/clear, sterile, border black, 20 plates	polystyrene/film	0030 741.013
Microplate UV-VIS 96/F, wells clear, border colorless	polystyrene/film	0030 741.048
Microplate VIS 96/F, wells clear, border colorless	polystyrene	0030 730.020

Eppendorf Protein LoBind Plates

Ordering information

Description	OptiTrack® frame color	Order no.
Microplate 384/V-PP, Protein LoBind		
PCR clean, 80 plates (5 × 16 plates)	☐ white	0030 624.300
PCR clean, 240 plates (10 × 24 plates)	☐ white	0030 628.306
Deepwell Plate 96/2000 µL, Protein LoBind		
PCR clean, 20 plates (5 bags × 4 plates)	☐ white	0030 504.305
Deepwell Plate 96/1000 µL, Protein LoBind		
PCR clean, 20 plates (5 bags × 4 plates)	☐ white	0030 504.208
PCR clean, 20 plates (5 bags × 4 plates)	■ yellow	0030 504.216
PCR clean, 80 plates (10 bags × 8 plates)	☐ white	0030 508.203
Deepwell Plate 96/500 µL, Protein LoBind		
PCR clean, 40 plates (5 bags × 8 plates)	☐ white	0030 504.100
PCR clean, 40 plates (5 bags × 8 plates)	■ yellow	0030 504.119
PCR clean, 120 plates (10 bags × 12 plates)	☐ white	0030 508.106
Deepwell Plate 384/200 µL, Protein LoBind		
PCR clean, 40 plates (5 bags × 8 plates)	☐ white	0030 524.101
PCR clean, 120 plates (10 bags × 12 plates)	☐ white	0030 528.107

Eppendorf DNA LoBind Plates

Ordering information

Description	OptiTrack® frame color	Order no.
Microplate 96/V-PP, DNA LoBind		
PCR clean, 80 plates (5 bags × 16 plates)	☐ white	0030 603.303
Microplate 384/V-PP, DNA LoBind		
PCR clean, 80 plates (5 bags × 16 plates)	☐ white	0030 623.304
PCR clean, 240 plates (10 bags × 24 plates)	☐ white	0030 627.300
Deepwell Plate 96/1000 µL, DNA LoBind		
PCR clean, 20 plates (5 bags × 4 plates)	☐ white	0030 503.201
PCR clean, 20 plates (5 bags × 4 plates)	■ blue	0030 503.244
PCR clean, 80 plates (10 bags × 8 plates)	☐ white	0030 507.207
Deepwell Plate 96/500 µL, DNA LoBind		
PCR clean, 40 plates (5 bags × 8 plates)	☐ white	0030 503.104
PCR clean, 40 plates (5 bags × 8 plates)	■ blue	0030 503.147
PCR clean, 120 plates (10 bags × 12 plates)	☐ white	0030 507.100
Deepwell Plate 384/200 µL, DNA LoBind		
PCR clean, 40 plates (5 bags × 8 plates)	☐ white	0030 523.105
PCR clean, 120 plates (10 bags × 12 plates)	☐ white	0030 527.100

Eppendorf Cell Culture Plates

Ordering information

Description	Order no.
Eppendorf Cell Culture Plate, 6-Well, with lid, flat bottom, sterile, free of detectable pyrogens, RNase & DNase, DNA. Non-cytotoxic.	
TC treated, 60 plates, individually wrapped	0030 720.113
non-treated, 60 plates, individually wrapped	0030 720.016
TC treated, 200 plates (20 bags × 10 plates)	0030 720.121
Eppendorf Cell Culture Plate, 12-Well, with lid, flat bottom, sterile, free of detectable pyrogens, RNase & DNase, DNA. Non-cytotoxic.	
TC treated, 60 plates, individually wrapped	0030 721.110
non-treated, 60 plates, individually wrapped	0030 721.012
Eppendorf Cell Culture Plate, 24-Well, with lid, flat bottom, sterile, free of detectable pyrogens, RNase & DNase, DNA. Non-cytotoxic.	
TC treated, 60 plates, individually wrapped	0030 722.116
non-treated, 60 plates, individually wrapped	0030 722.019
Eppendorf Cell Culture Plate, 48-Well, with lid, flat bottom, sterile, free of detectable pyrogens, RNase & DNase, DNA. Non-cytotoxic.	
TC treated, 60 plates, individually wrapped	0030 723.112
non-treated, 60 plates, individually wrapped	0030 723.015
Eppendorf Cell Culture Plate, 96-Well, with lid, flat bottom, sterile, free of detectable pyrogens, RNase & DNase, DNA. Non-cytotoxic.	
TC treated, 80 plates, individually wrapped	0030 730.119
non-treated, 80 plates, individually wrapped	0030 730.011
TC treated, 200 plates (20 bags × 10 plates)	0030 730.127

Eppendorf twin.tec® PCR Plates

Ordering information

Description	Order no.
twin.tec PCR Plate 96, skirted	
colorless, 25 pcs.	0030 128.648
yellow, 25 pcs.	0030 128.656
green, 25 pcs.	0030 128.664
blue, 25 pcs.	0030 128.672
red, 25 pcs.	0030 128.680
twin.tec PCR Plate 96, semi-skirted	
colorless, 25 pcs.	0030 128.575
yellow, 25 pcs.	0030 128.583
green, 25 pcs.	0030 128.591
blue, 25 pcs.	0030 128.605
red, 25 pcs.	0030 128.613
twin.tec PCR Plate 96, unskirted, low profile	
colorless, 20 pcs.	0030 133.307
yellow, 20 pcs.	0030 133.315
green, 20 pcs.	0030 133.323
blue, 20 pcs.	0030 133.331
red, 20 pcs.	0030 133.340
twin.tec PCR Plate 96, unskirted, 250 µL	
colorless, 20 pcs.	0030 133.366
blue, 20 pcs.	0030 133.390

Ordering information

Description	Order no.
twin.tec PCR Plate 96, unskirted, divisible, low profile	
colorless, 20 pcs.	0030 133.358
blue, 20 pcs.	0030 133.382
twin.tec PCR Plate 96, unskirted, divisible, 250 µL	
colorless, 20 pcs.	0030 133.374
blue, 20 pcs.	0030 133.404
twin.tec *microbiology* PCR Plate 96, skirted	
colorless, 10 pcs.	0030 129.300
blue, 10 pcs.	0030 129.318
twin.tec *microbiology* PCR Plate 96, semi-skirted	
colorless, 10 pcs.	0030 129.326
blue, 10 pcs.	0030 129.334
twin.tec *microbiology* PCR plate 384	
colorless, 10 pcs.	0030 129.342
blue, 10 pcs.	0030 129.350
twin.tec PCR Plate 384	
colorless, 25 pcs.	0030 128.508
yellow, 25 pcs.	0030 128.516
green, 25 pcs.	0030 128.524
blue, 25 pcs.	0030 128.532
red, 25 pcs.	0030 128.540

Eppendorf twin.tec® *real-time* PCR Plates

Ordering information

Description	Order no.
twin.tec 96 real-time PCR Plate, skirted	
blue, 25 pcs.	0030 132.505
white, 25 pcs.	0030 132.513
black, 25 pcs.	0030 132.521
twin.tec 96 real-time PCR Plate, semi-skirted	
blue, 25 pcs.	0030 132.530
white, 25 pcs.	0030 132.548
black, 25 pcs.	0030 132.556
twin.tec 96 real-time PCR Plate, unskirted low profile	
white, 20 pcs.	0030 132.700
blue, 20 pcs.	0030 132.718
black, 20 pcs.	0030 132.726
twin.tec 384 real-time PCR Plate, skirted	
white, 25 pcs.	0030 132.734
blue, 25 pcs.	0030 132.742
black, 25 pcs.	0030 132.750

Sealing Options for Eppendorf Plates™

Ordering information

Description	Order no.
Sealing options for Eppendorf Plates™	
Eppendorf Storage Film, self-adhesive, PCR clean, 100 pcs. (2 bags × 50 pcs.)	0030 127.870
Eppendorf Storage Foil, self-adhesive, PCR clean, 100 pcs.	0030 127.889
Eppendorf Sealing Mat, for DWP 96/1000, Eppendorf Quality™, 80 pcs. (5 bags × 16 pcs.)	0030 127.552
Eppendorf Sealing Mat, for DWP 96/2000, Eppendorf Quality™, 50 pcs. (5 bags × 10 pcs.)	0030 127.579
Eppendorf Plate® Lid, for MTP and DWP, PCR clean, 80 pcs. (5 bags × 16 pcs.)	0030 131.517
Eppendorf Plate® Lid, for MTP and DWP, sterile, 80 pcs. (5 bags × 16 pcs.)	0030 131.525
Sealing Materials for PCR	
Masterclear® real-time PCR Film adhesive, 100 sheets	0030 132.904
Heat Sealing Film, 100 pcs.	0030 127.838
Heat Sealing Foil, 100 pcs.	0030 127.854
PCR Film (adhesive), 100 pcs.	0030 127.811
PCR Foil (adhesive), 100 pcs.	0030 127.820

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