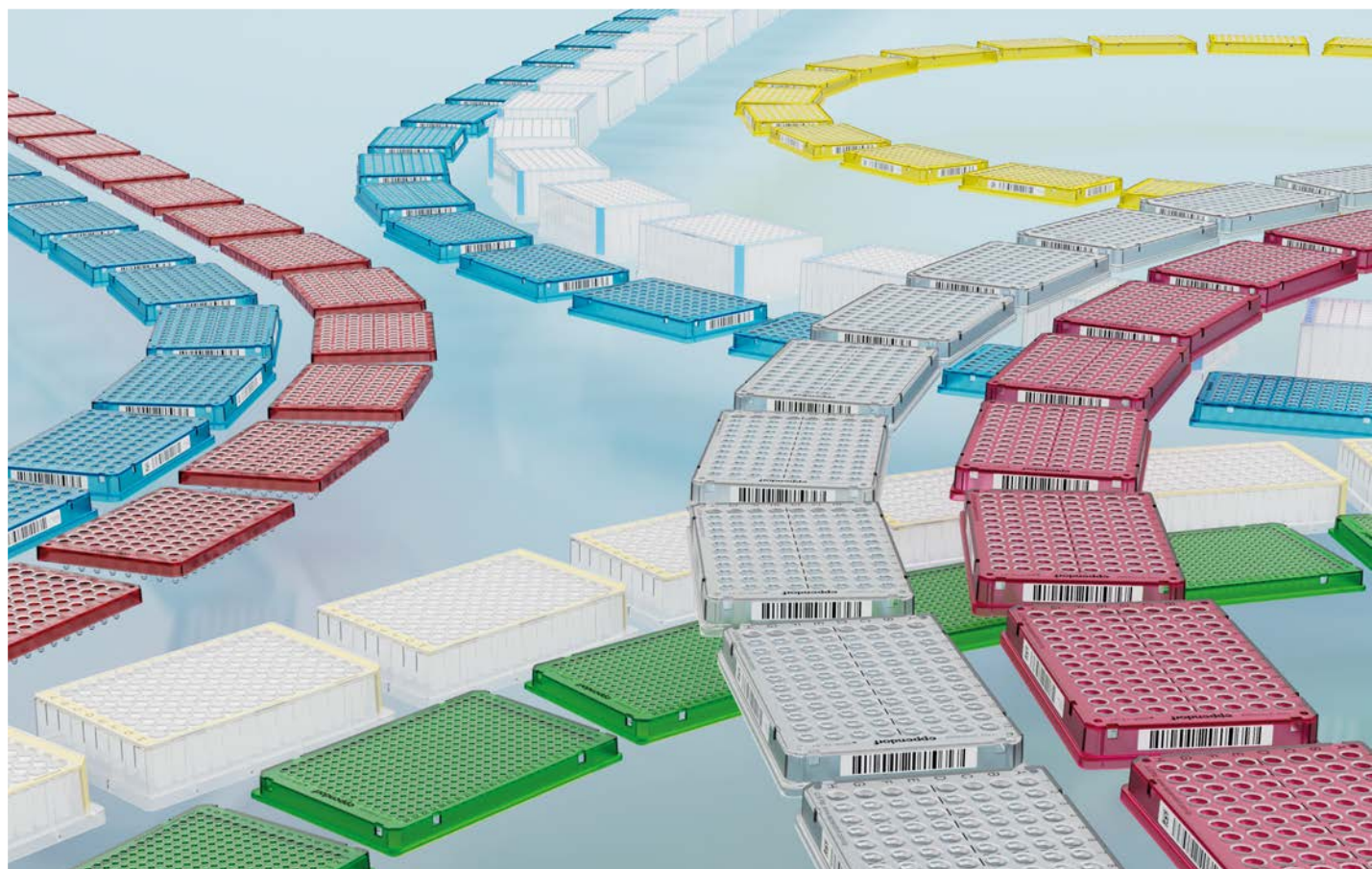
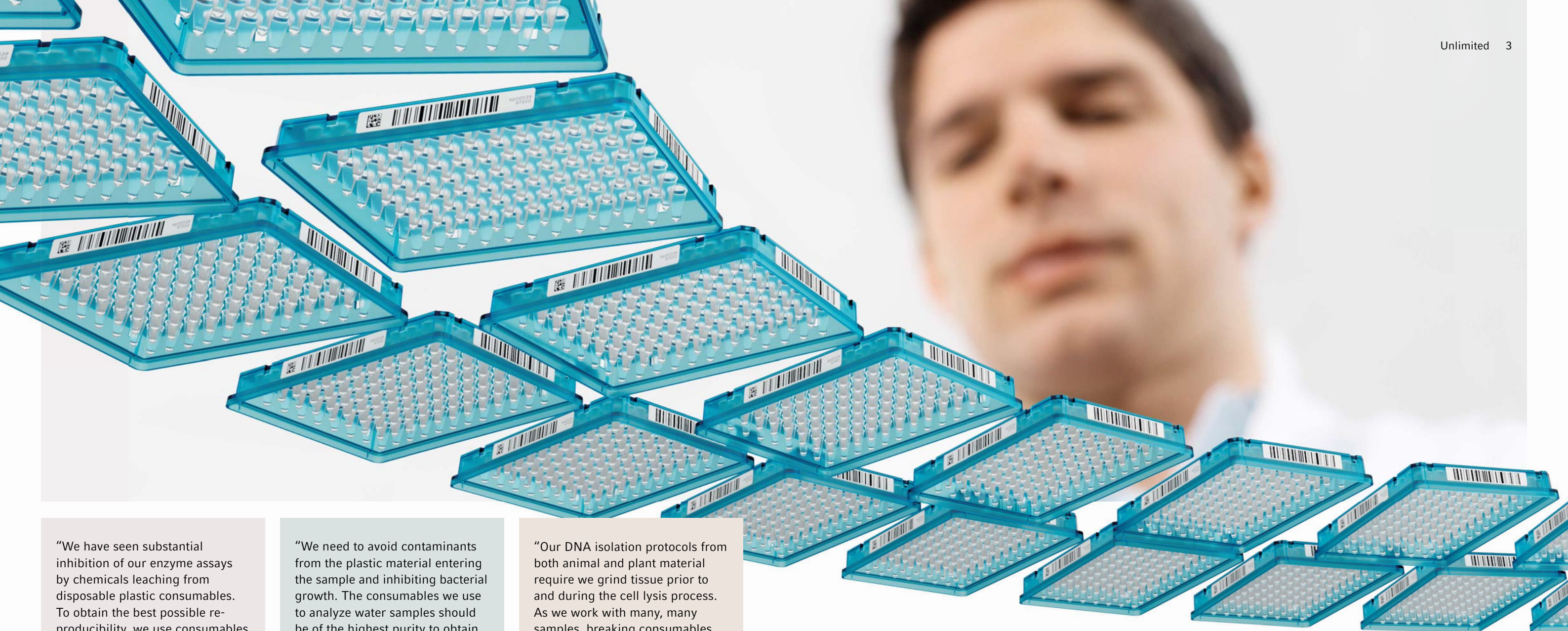




Unlimited

Quality – Stability – Purity: Eppendorf Plates®



"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 contaminants from the plastic material entering the sample and inhibiting bacterial growth. The consumables we use to analyze 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 we grind tissue prior to and during the cell lysis process. As we work with many, many samples, breaking consumables and experiencing the subsequent sample loss can be critical. The excellent quality and stability of the 1 mL Eppendorf Deepwell Plates® convinced us as it improved the reliability of our process significantly."

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



The Best for Your Workflow

Our consumables are made to ensure your workflows are highly reproducible and convenient. Our plates are not simply plastic, they are high-performance components designed to help you to excel in your work. This is why our expertise and dedication underlie all our plate designs and production quality. Our expert team brings decades of experience to ensuring robust production processes for our consumables with the sole aim of providing you simply the best possible plates.

Made for Robotics

Reliability for your robotics

By using our plates, you are investing in the future viability of your workflows. Our plates ensure high reliability, lower error rates and less downtime as well as reduce the need for post-analytical corrections. This results in faster turn-around times, particularly in high-throughput settings. For you, this translates in to greater analytical quality, reduced financial and opportunity costs, and decreased business risks in terms of applications.

Design and precision

We live functional design, and our plates are made for robotics:

- > Following ANSI/SLAS microplate format
- > Feature excellent robustness and rigidity with no warping, no bending, no shrinking to ensure an exact fit into adapters, precise stacking and optimal control by robots
- > Have exceptional geometrical precision to ensure highly accurate liquid handling
- > Deliver high geometrical consistency for easy teaching – fire and forget

Traceability

Near unlimited traceability and customization options ensure you can tailor our product to your meet systems' needs.

Made for Consistent Lab Results

Reliability in your assays

Thoughtful design and development form the basis for safe, user-friendly handling as well as exceptional application performance. This also includes sample integrity: A plate should not affect application results, even if the workflow has demanding conditions.

Smart performance

Smart polymers, such as the material used in our LoBind® plates, ensure high recovery rates and optimized assay results.

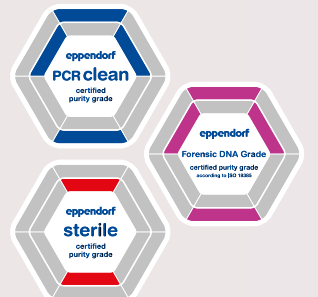
High purity

- > All our plates are produced from virgin resins
- > High chemical purity is ensured through our expertise in selection and design of our polymers and production processes (download our **Application Note 459**)
- > High biological purity is ensured by lot-specific testing and certification by an accredited external diagnostic lab ensure high biological purity. We provide lot-specific **certificates**
- > Forensic DNA Grade consumables feature an additional staff-DNA exclusion database to better support you solving potential DNA contamination issues
(**learn more** and read our brochure: **"The Pure Truth"**)

High performance

We live functional design. Our plates are made for high-quality analyses:

- > Our colored plates help increase the robustness of your workflows
- > Their reliable fit into adapters and equipment ensure secure, reproducible handling
- > The plates planarity and raised well rims ensure excellent sealing
- > The homogeneity of all plate wells ensure reproducibility
- > The highly polished well surfaces ensure reliable assay performance



Made by Eppendorf

Our products maintain their high quality throughout their entire life cycle. Our developers, application specialists, mold constructors and builders, production staff and quality management staff demonstrate their dedication each and every day to ensure our vision of product quality translates into the high performance you expect.

Our logistics and sales professionals work hard each day to show how our products are more than mere plastic pieces; they are high-performance components that enhance your workflow. Building relationships, reliability, dependability and ultimately, trust lie at the core of our values.



Design, construct, tune

We run our own tool shop, which we use to design and build some of our most valuable tools self-made. We know our machines inside and out and should a production interruption occur, we can quickly identify and rectify any deviations in-house.

Reproducible and reliable

You won't feel the difference. But then again, you really will: Meticulous design, construction and maintenance of our molds ensure each replication delivers an identical Eppendorf product and outstanding Eppendorf performance. Our performance today will be the same in five years, and it will be the same in your next lab. We offer consistent performance plate after plate, lot after lot, year after year.

For you, this results in more robust validation, better scalability, easier protocol transfer and more "peace of mind".

We love service

Our products are not just consumables they are your experience. We see ourselves not just as a supplier, but as your partner in the lab. Should you have any requests or should issues arise, we are there to support you and your business.



Eppendorf LoBind® Plates

Protein LoBind plates

During the storage or incubation of biological samples in standard reaction vessels, more than 90% of the sample material can be lost within 24 hours due to the biomolecules binding to the plastic surface. Eppendorf LoBind plates maximize sample recovery by significantly reducing sample binding to the surface.

Applications

- > Preparation and storage of protein, peptide, and antibody samples
- > Enzymatic assays
- > Storage of virus stock solutions
- > Storage of cell suspensions
- > Sample processing in toxicology

DNA LoBind plates

DNA LoBind plates are optimized to effectively recover nucleic acids. Special manufacturing technologies along with a targeted polypropylene design ensure nearly 100% recovery of DNA/RNA molecules – and all this without surface coating to avoid contamination hazards to the sample.

Applications

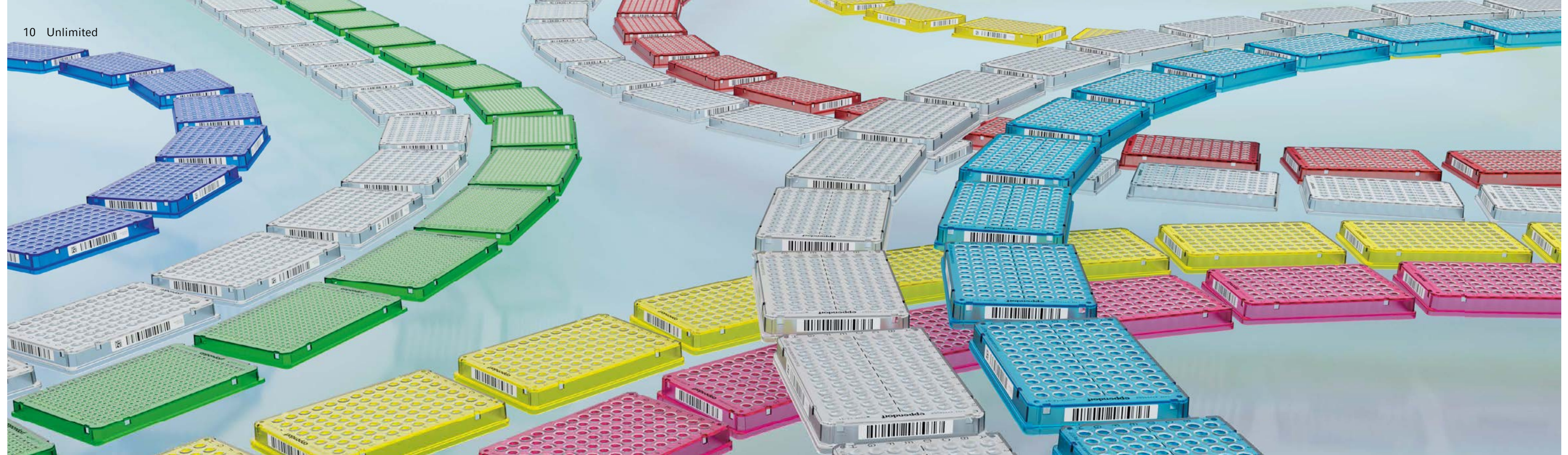
- > Preparation and storage of DNA and RNA samples
- > Forensic trace analyses
- > Preparation of dilution series for quantitative PCR
- > Sample preparation for next-generation sequencing (NGS)
- > Preparation of genome or oligonucleotide libraries

Eppendorf twin.tec® PCR plates LoBind

Get the most out of your PCR. Polypropylene wells with LoBind properties are designed to maximize the yield of your target molecules. This means more molecules are available for the reaction, e.g., PCR.

Applications

- > PCR low DNA template concentrations, e.g., forensic trace analysis
- > Low-volume PCR
- > DNA library construction in NGS workflows



Eppendorf twin.tec® PCR Plates

The best fit for your Genomics applications: Scientists continuously ask themselves about the best instrument, reagent mix, enzyme and the like for their experiments. The same careful approach should be taken when selecting plastic consumables for your valuable samples.

Variability-prone consumables can lead to enormous differences in the quality and reproducibility of your results. Wall thickness, material chemical purity, mechanical stability and many other properties can have a direct effect on your experiments.

Made for Robotics and Robust Processes

Exceptionally robust polycarbonate frame

- > Reliable grabbing and precise stacking
- > Maximum geometrical consistency and stability throughout the workflow
- > Perfect adaptor fit – no shrinking or warping during incubation at temperature
- > Smart traceability options such as lot-marking and off-the-shelf barcoding (see also pages 10-11)
- > Colored frames for process control and transparent frames to more easily teach automation devices
- > High-contrast laser engraving for manual and semi-automated work

Applications

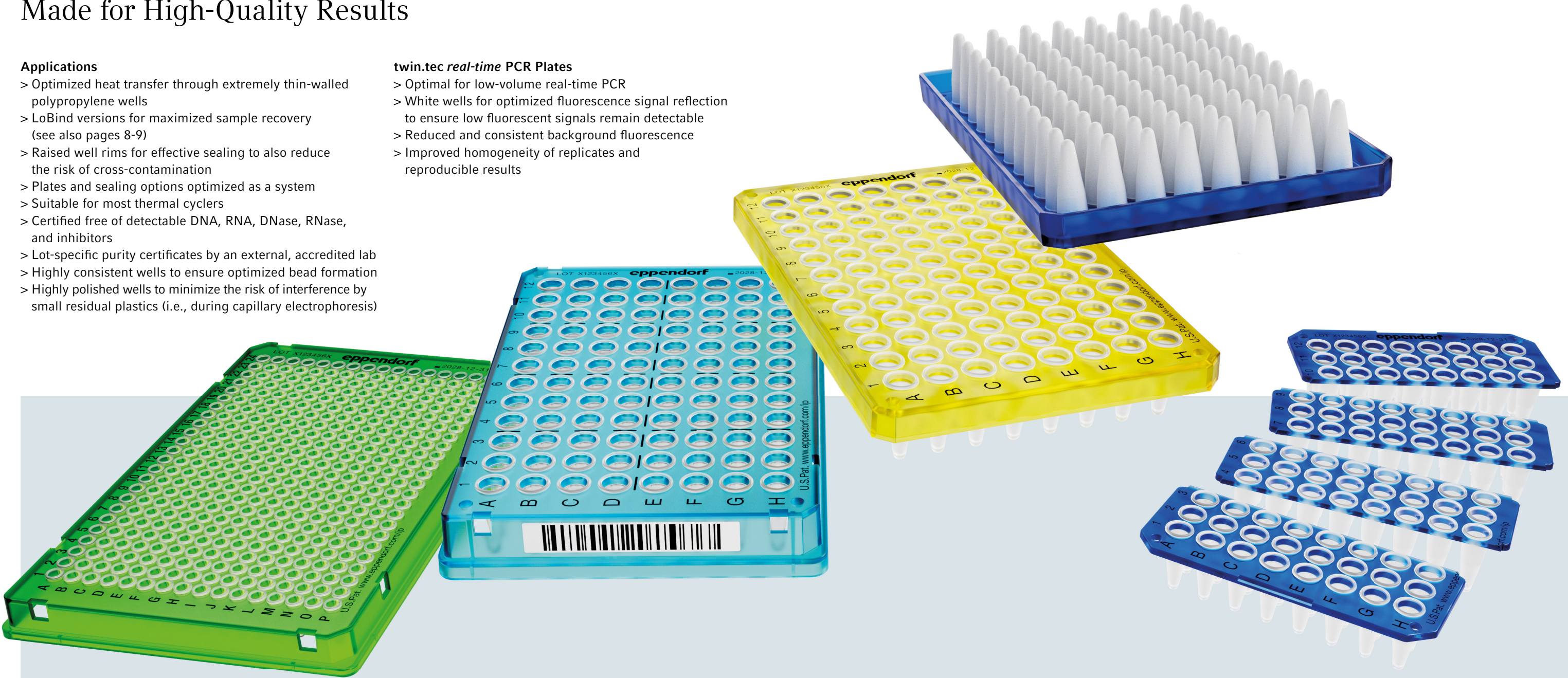
- > Automated, standardized and/or validated processes
- > High-throughput Genomics applications
- > NGS library generation
- > Standard and real-time PCR
- > Sample handling of small volumes
- > Normalization and cherry-picking



Made for High-Quality Results

- Applications**
- > Optimized heat transfer through extremely thin-walled polypropylene wells
 - > LoBind versions for maximized sample recovery (see also pages 8-9)
 - > Raised well rims for effective sealing to also reduce the risk of cross-contamination
 - > Plates and sealing options optimized as a system
 - > Suitable for most thermal cyclers
 - > Certified free of detectable DNA, RNA, DNase, RNase, and inhibitors
 - > Lot-specific purity certificates by an external, accredited lab
 - > Highly consistent wells to ensure optimized bead formation
 - > Highly polished wells to minimize the risk of interference by small residual plastics (i.e., during capillary electrophoresis)

- twin.tec real-time PCR Plates**
- > Optimal for low-volume real-time PCR
 - > White wells for optimized fluorescence signal reflection to ensure low fluorescent signals remain detectable
 - > Reduced and consistent background fluorescence
 - > Improved homogeneity of replicates and reproducible results



- twin.tec PCR Plate 384, skirted**
- > For higher throughput and smaller sample volumes
 - > Excellent compatibility with automated systems
 - > Skirted for labeling or barcoding
 - > 45 µL max. well volume

- twin.tec PCR Plate 96, skirted**
- > Excellent compatibility with automated systems
 - > Skirted for labeling or barcoding
 - > Low-profile design to enable low-volume PCR
 - > 150 µL max. well volume

- twin.tec PCR Plate 96, semi-skirted**
- > Offers a higher well volume up to 250 µL max.
 - > Excellent compatibility with automated systems (depending on system)
 - > Semi-skirted for labeling or barcoding

- twin.tec PCR Plate 96, unskirted**
- > Available with regular profile (250 µL) and low-profile (150 µL)
 - > Available in a divisible format (4 × 24 wells)



Traceability

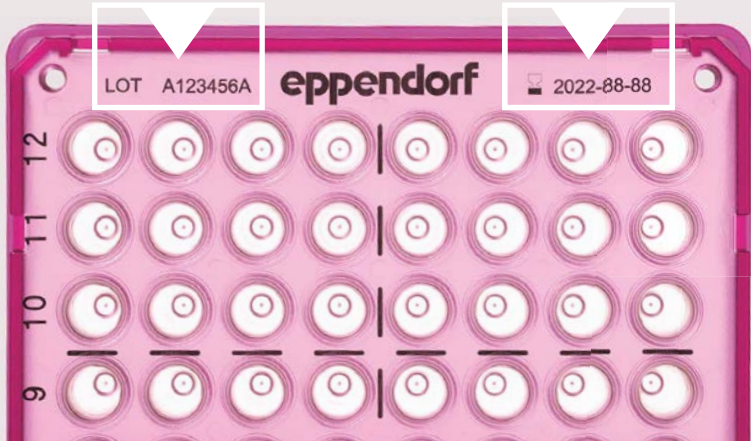
Our traceability begins in our factory and extends into your lab to make your processes more robust. Discover our twin.tec® Trace PCR Plates, our SafeCode plates, and our customized barcoded plates for improved ergonomics and traceability. These plates are the perfect choice for high-throughput applications and automated workflows as well as standardized and regulated processes. In addition, they support traceability and your documentation for audits.

- Optimized colors**
Brighter colors offer 3 in 1:
- > Support for your workflow through easy plate identification
 - > High-contrast labeling via laser marking
 - > Improved visibility of samples and pipette tips in the wells

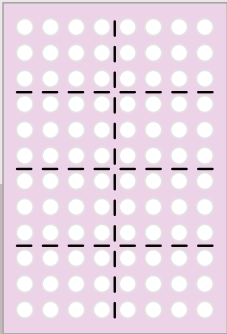
twin.tec® Trace Plates

- Laser-engraved lot numbers and expiration dates**
On each individual plate for better traceability in your laboratory processes, your kits, or with your own customers.

Trace the data even after the plates are removed from the packaging.



- New innovative guiding grid**
> For lightning-fast well identification



Customized Barcoded Plates

Eppendorf Plates can be adapted to your specific processes and needs and are produced especially for you according to your specifications. Design your own barcoded plates using our easy-to-use Barcode Wizard.

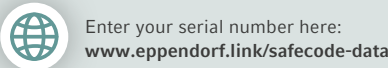
- Free choice**
- > Choose the plate you need from our overall portfolio
 - > Choose the position (1-4 edges), content (both the prefix and starting serial number) and the type of barcode
 - > Sit back and relax knowing that we seamlessly follow up with you about using the serial numbers in your next order

SafeCode Plates

Standardized, barcoded Eppendorf Plates with a precoded, robust printed 2D and 1D barcode are your off-the-shelf barcoded consumables: Easy to order, quickly delivered and requiring no minimum order quantity.

- Your unique ID**
- > Serial numbers are unique across all Eppendorf SafeCode consumables and lots (all plates, tubes and vials)

- SafeCode Feature: Full traceability**
- > Easy, fast access to product- and lot-specific documentation* by entering the serial number on our homepage



Enter your serial number here:
www.eppendorf.link/safecode-data

* Including: IFU-, lot-specific certificates, general certificates, technical drawing

Biobased Plates – Sustainability Meets Precision

Our new biobased plates offer a pathway to significantly more sustainable laboratory work by reduction of the carbon footprint without the need to revalidate existing procedures when transitioning from other Eppendorf twin.tec® PCR plates or Eppendorf Deepwell Plates. Our biobased plates are manufactured using polymer resins derived from bio-circular renewable resources. The production process follows the mass-balance approach, where fossil oils are replaced by second-generation renewable resources (e.g., waste and residues from forestry, vegetable oil refining, or used cooking oil).

- > The resulting biobased polymers are chemically identical to fossil oil-sourced polymers. This enables us to contribute to your sustainability goals while delivering the same superior technical performance as our standard consumables
- > Our manufacturing sites and processes are ISCC PLUS certified by the International Sustainability & Carbon Certification organization (ISCC)
- > ACT labeled – Environmental Impact Factor certification initiated by My Green Lab®
- > Eppendorf twin.tec® PCR Plates contain min. 86% and Eppendorf Deepwell Plates contain min. 95% biobased polymers, according to mass-balance-approach*



Eppendorf twin.tec® Trace PCR Plates BioBased

Product features

- > Identical performance to existing reference twin.tec PCR Plates
- > Combining a poly-carbonate frame for consistent performance in robotics and polypropylene wells for optimized assay performance
- > Unique laser-engraved optical guiding grid and OptiTrack® matrix for quick orientation when pipetting manually
- > Batch-tested and independently certified free of DNA, DNAase, RNase and PCR inhibitors (PCR clean)



LOT X123456X

Laser-engraved lot number on every plate

2028-07-28

Laser-engraved expiration date on every plate



Eppendorf Deepwell Plates BioBased

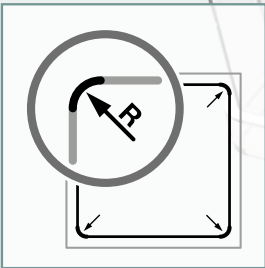
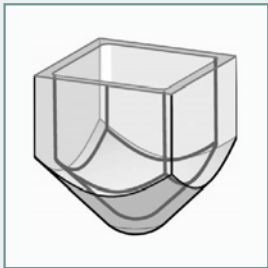
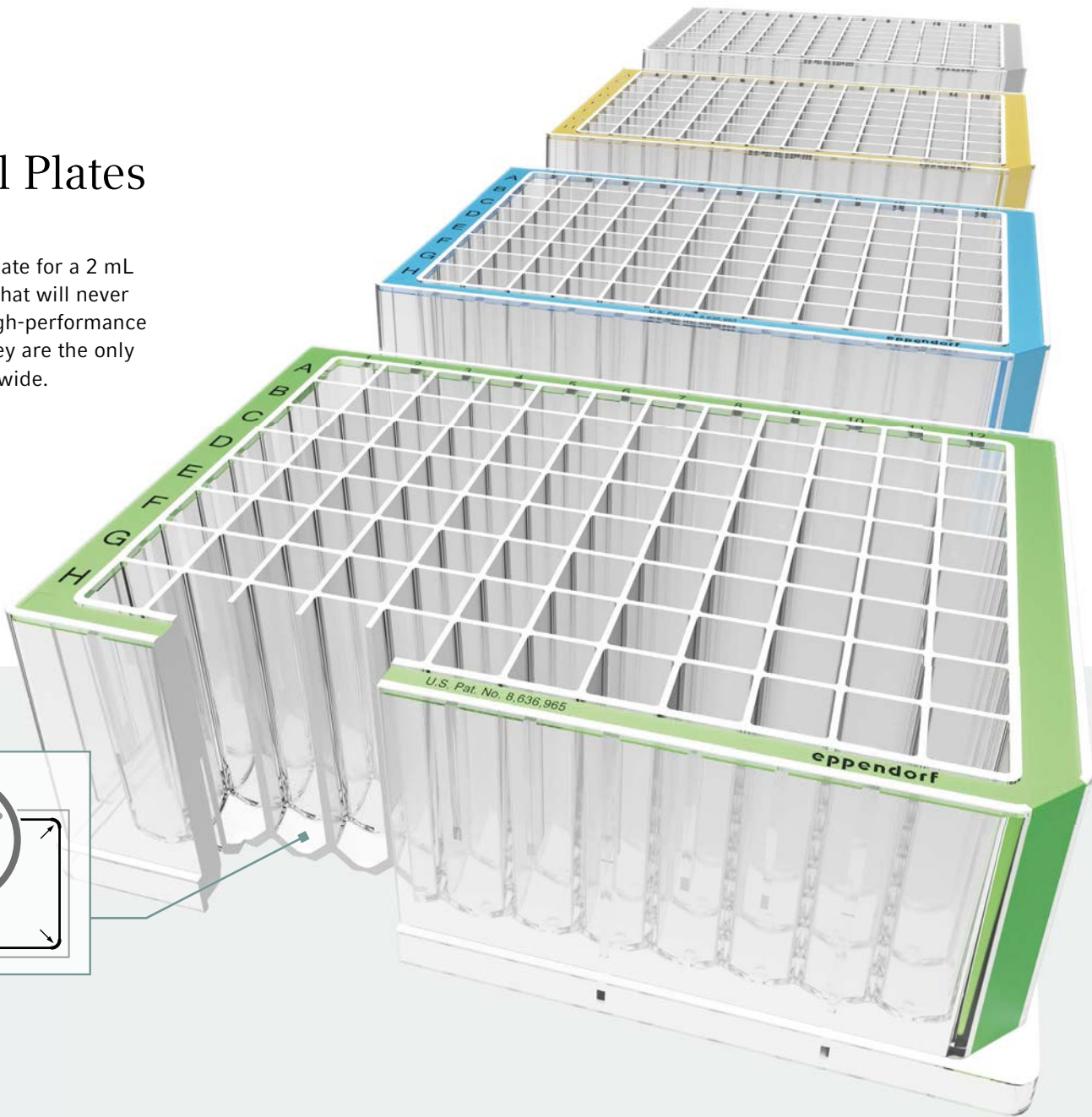
Product features

- > Multiple colors for each workflow step available
- > Identical performance to existing reference Eppendorf Deepwell Plates
- > Robust design and material optimal for robotics
- > Laser-engraved OptiTrack® matrix for quick orientation when pipetting manually
- > RecoverMax® well design for high sample recovery and no wicking effect
- > Batch-tested and independently certified free of DNA, DNase, RNase, PCR inhibitors and proteins



Eppendorf Deepwell Plates

Have you ever confused a 1 mL deepwell plate for a 2 mL plate in your robotic sample preparation? That will never happen again when you use our colored high-performance Eppendorf Deepwell Plates 96 and 384. They are the only deepwell plates with a colored frame worldwide.



Made for Robotics

- > RecoverMax® well design: Bottom and corner geometry of the wells are designed for maximum sample recovery, excellent mixing properties and minimized risk of cross-contamination
- > Outstanding consistency and uniformity from well to well and from plate to plate for optimized automation workflows as well as consistent, reproducible results
- > High transparency for better visibility of the sample and pipettes tips in the wells, especially when the teaching automation devices
- > Robust design: No geometric deformation during storage at -86 °C and incubation at 100 °C
- > Traceability: Available in SafeCode and customized barcode versions

Made for High-Quality Lab Results

- > OptiTrack® matrix: Up to 30% faster sample identification and fewer pipetting errors thanks to lasered high-contrast alphanumeric labeling
- > Robust wells for working with glass or steel beads
- > Optimized material: High-quality polypropylene for strong resistance to chemicals, mechanical stress and temperature extremes from -86 °C to 100 °C
- > Smart performance: Available in DNA and protein LoBind versions for maximized sample yield and sensitive assays
- > Raised well edges and smooth surface for reliable sealing, even with heat sealing
- > g-Safe®: Exceptional centrifugation stability up to 6,000 × g for faster precipitation and improved sample quality

Color

- > Yellow, blue, green and white plate borders
- > Your Workflows supported through easy plate identification
- > Side-by-side color recognition even when stacked

Applications

- > Sample collection
- > Genomics, proteomics, metabolomics, cellomics, compound analyses
- > Sample purification and material isolation with high throughput and high sensitivity (e.g., DNA, RNA, plasmids, protein, cells)
- > Preparation and storage of valuable samples (e.g., oligonucleotide libraries, proteins, cells, compounds)
- > Bacteria and yeast cultivation
- > Preparation of dilution series

Formats and purity grades

- > 96/2,000 µL, 96/1,000 µL, 96/500 µL, 384/200 µL
- > High biological purity in PCR clean, sterile
- > Available in bulk packaging



Eppendorf Microplates

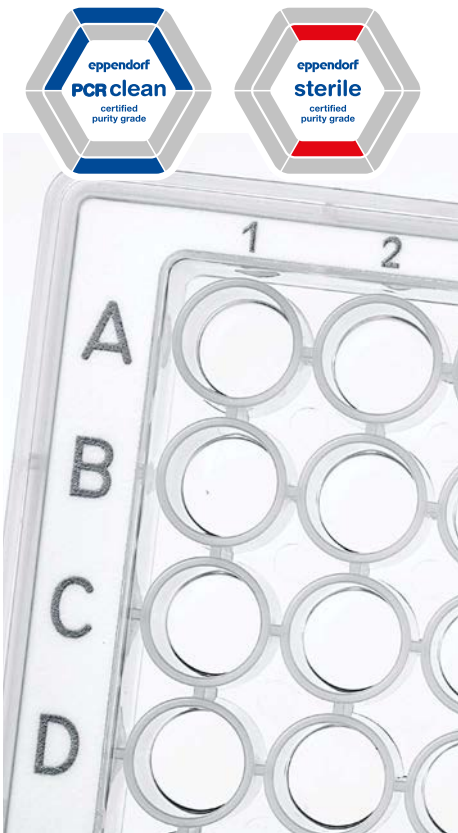
Eppendorf Microplates bring unique clarity to your laboratory! Never before has it been so easy to pipette, process and recover samples in a polypropylene microplate. The exceptionally high transparency ensures you can always find your samples at a glance. For maximized sample recovery, the microplates are also available made with Eppendorf LoBind material.

Applications

- > Sample preparation and storage
- > Assays requiring high resistance to heat or solvents
- > Compound screening
- > Combinatorial chemistry
- > Protein or nucleic acid analyses

Product features

- > Unsurpassed transparent polypropylene for better sample visibility
- > OptiTrack matrix: 30% faster well identification and fewer pipetting errors thanks to high-contrast alphanumeric labeling
- > RecoverMax well design: Optimized well geometry for minimized residual 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 (see page 11)



Eppendorf Assay and Reader Microplates

Eppendorf assay microplates are designed for fluorescence and luminescence detection. The plates feature completely black or white wells and are suitable for use in plate measuring instruments that detect signals from the top.

Applications

- > Fluorescence and luminescence detection
- > Nucleic-acid and protein measurement
- > Cell-based assays
- > Cell-viability and apoptosis assays
- > Cell imaging

Product features

- > Black Eppendorf Microplates offer an excellent signal-to-noise ratio, even with low-concentration samples.
- > White Eppendorf Microplates maximize reflection for exceptionally sensitive detection of luminescence.
- > The black-and-white assay plates are made of polypropylene and therefore highly resistant to chemicals, mechanical stress and temperature extremes
- > All plates are optimized for minimal auto-fluorescence and auto-luminescence.



Smart Seal

Your assays deserve not only outstanding plates but also outstanding sealing options. Our plate, film and foil material as well as adhesives have been designed to work together as a system and are optimized for a variety of assays. This results in a tight seal as well as strong protection against evaporation and contamination and strong protection of

High performance in assay and automation

Sensitive assays and automation require exceptional precision. Our films and foils offer:

- > Very low evaporation rates
- > Consistent optical measurements – our films offer high transparency and ensure no shrinkage or curling during heating
- > Good marking properties
- > Easy piercing of foils, even with multichannel pipettes, without pipette tips adhering to the foil
- > No excessive protrusion of foil edges that impede secure gripping or stacking of the plates

sample integrity. You also benefit from excellent assay efficiency (e.g., no PCR inhibition), high transparency and the outstanding handling ergonomics – all what you have come to expect from Eppendorf.

High purity

Certified PCR clean purity also ensures the films and foils have no inhibitory effect on your PCR.

Ergonomic

Our film and foils have two end tabs that help you to handle the product more easily and to position it more precisely without touching the sealing area.



Pick your match

- > Masterclear® *real-time* PCR Film (optical film)
- > Heat Sealing Foil and Film
- > Self-adhesive PCR Foil and Film
- > Self-adhesive Storage Foil and Film
- > Eppendorf Sealing Mat
- > Eppendorf Plate Lid

Our sealing options are available for a variety of applications that demand different requirements. Depending on the product, these options offer permanent sealing or residue-free removal, high transparency or strong light protection, good piercing properties or protection against unintentional piercing, and single use or multiple use.

Our selection guide on page 22 will help you identify the most suitable product.

real-time PCR

Masterclear *real-time* PCR film is optimized for maximum light transmission. Transmission values of > 90% between 350 nm and 750 nm guarantee optimal excitation of your fluorescent dyes and optimal readout of the emitted fluorescence.

Automation

Our Heat Sealing Foils are made of aluminum, are easy to pierce – even with multichannel pipettes – while not sticking to the pipette tips, and protect light-sensitive samples. We recommend these foils for use in automated systems.



For more information go to www.eppendorf.link/pcr-films



Selection Guide: Sealing Options

	Permanent sealing	Temporary sealing; easy, residue-free removal	Transparency	Protection for light sensitive samples	Can be easily pierced	Protection from unintended piercing	Recommended uses
PCR Film, self-adhesive		■	■			■	PCR, colorimetric applications, sample monitoring
PCR Foil, self-adhesive		■		■	■		PCR, high-throughput screening, use in automated systems
Heat Sealing Film	■		■			■	PCR, colorimetric applications, secure long-term storage of samples Especially strong protection against evaporation
Heat Sealing Foil	■			■	■		PCR, compound management, high-throughput screening, use in automated systems Especially strong protection against evaporation
Storage Film, self-adhesive		■	■			■	Secure short-term storage of samples
Storage Foil, self-adhesive		■		■	■		Short-term storage of light sensitive samples
Masterclear <i>real-time</i> PCR Film, self-adhesive		■	Transmission > 90% between 350 nm and 750 nm			■	<i>real-time</i> PCR, fluorescence based applications, optical measurements
Sealing Mat		■			■		Sterile assays, incubation in the heating block or water bath, auto-clavable and reusable (if not pierced)
Plate lid	Sturdy and flexible protection from external contamination of the samples during short-term storage						

Selection Guide: SafeCode vs. Customized Barcoding

	SafeCode Plates		Customized barcoding	
Short profile	Faster ordering, smaller minimum order quantity, serial ID uniqueness across all Eppendorf SafeCode Consumables (all plates, tubes and vials), SafeCode feature for improved document traceability		Greater flexibility in selecting barcode symbology, code content and label location	
Reliability and quality	Familiar high Eppendorf quality		Familiar high Eppendorf quality	
Ease of ordering	Off-the-shelf ordering	Built to stock	Customization via Barcode Wizard (eShop) and custom built to order production	Built to order
Immediate availability	Immediate		Within a few weeks	
Minimum order quantity	Single case		Larger minimum quantity depending on product number. Minimum order quantity is provided during customization process	
Available barcode symbology	Fixed. Code 128 (1D) + Code 128 DataMatrix		Can be freely selected from: Code 128 (8 digits), code 128 (10 digits), code 39, Interleaved	
Barcode content	Predefined content that can't be customized ID / serial number consisting of two letters + 10 digits (i.e., ep1234567890)		Customizable content. prefix + 8-10 digits depending on code type. Free selection of start number. Eppendorf assists customer to manage continues sequence of barcodes for follow-up orders	
Uniqueness of ID, serial number	Unique ID guaranteed across all Eppendorf SafeCode Consumables (all plates, tubes and vials)		Unique within every production batch and across follow-up orders of the same project	
Label location	Left: 1D barcode, right: 1D barcode, front: 1D barcode + 2D DataMatrix (identical content) + human readable interpretation (HRI)		Free selection of label content (No. label, 1D barcode and/or HRI) on all four sides	
High contrast for safe reading even on colored plates	Yes (2-color print, black on white)		Yes (black color print on white label)	
Label and code durability	Exceptionally high: > Printed. scratch resistant, temperature resistant and chemically resistant printing > 2D DataMatrix on front side supports ECC200 error correction		High: > High-quality stickers with special adhesive	
Documentation availability	Instructions for use, product number information, all required certificates, technical drawings and lot-specific certificates available on homepage and upon request SafeCode features: Lot-specific information and all documents are available at your fingertips via central dataport by querying the consumable's ID/serial number. The dataport always provides the document version valid at the time of lot production.		Instructions for use, product number information, all required certificates, technical drawings and lot-specific certificates available on homepage and upon request	

Technical Information

twi.n.tec® PCR Plates

Material	Polycarbonate (frame), polypropylene (wells)						
Resistance to chemicals	The plates including border show a high resistance to UV light and chemicals. Refer to Application Note No. 56: “The best material for original Eppendorf Tubes® and Plates” at www.eppendorf.com. In case of doubt, contact Eppendorf Application Support.						
Dimensions	Acc. to ANSI/SLAS 1-2004, ANSI/SLAS 3-2004 and ANSI/SLAS 4-20041.						
Operational temperature	-80 °C to +120 °C						
Autoclavability	Autoclavable (121 °C, 20 min), not closed. The stability of the single-use items can be compromised.						
Format	96 wells				96 wells low profile		384 wells
	Skirted	Semi-skirted	Unskirted	Divisible	Unskirted	Divisible	Skirted
Max. filling volume	150 µL	250 µL	250 µL	250 µL	150 µL	150 µL	45 µL
Max. centrifugation stability	2,250 × <i>g</i>						

For specific and detailed operating conditions please refer to the instructions for use.

Deepwell Plates

Material	Polypropylene, colored, colorless			
Resistance to chemicals	The plates including border show a high resistance to UV light and chemicals. Refer to Application Note No. 56: “The best material for original Eppendorf Tubes® and Plates” at www.eppendorf.com. In case of doubt, contact Eppendorf Application Support.			
Dimensions	Acc. to ANSI/SLAS 1-2004, ANSI/SLAS 3-2004 and ANSI/SLAS 4-20041.			
Operational temperature	-86 °C to +100 °C			
Autoclavability	Autoclavable (121 °C, 20 min). The stability of the single-use items can be compromised.			
Format	96/2,000 µL	96/1,000 µL	96/500 µL	384/200 µL
Bottom shape of the wells	Conical	Round	Round	Conical
Well shape	Square	Round	Round	Square
Theoretical volume per well	2,400 µL	1,200 µL	700 µL	240 µL
Working volume per well	50-2,000 µL	30-1,000 µL	30-550 µL	20-225 µL
Max. centrifugation stability	PCR clean, Protein LoBind, DNA LoBind			Sterile
	6,000 × <i>g</i>			5,000 × <i>g</i>

For specific and detailed operating conditions please refer to the instructions for use.

Microplates

Material	Polypropylene, colored, colorless				
Resistance to chemicals	The plates including border show a high resistance to UV light and chemicals. Refer to Application Note No. 56: “The best material for original Eppendorf Tubes® and Plates” at www.eppendorf.com. In case of doubt, contact Eppendorf Application Support.				
Dimensions	Acc. to ANSI/SLAS 1-2004, ANSI/SLAS 3-2004 and ANSI/SLAS 4-20041.				
Operational temperature	-86 °C to +100 °C				
Autoclavability	Autoclavable (121 °C, 20 min). The stability of the single-use items can be compromised.				
Format	96/F-PP	96/U-PP	96/V-PP	384/F-PP	384/V-PP
Bottom shape of the wells	Flat	Round	Conical	Flat	Conical
Theoretical volume per well	400 µL	360 µL	350 µL	150 µL	140 µL
Working volume per well	50-350 µL	20-320 µL	20-300 µL	10-120 µL	5-120 µL
Max. centrifugation stability	PCR clean, Protein LoBind, DNA LoBind			Sterile	
	6,000 × <i>g</i>			6,000 × <i>g</i>	

For specific and detailed operating conditions please refer to the instructions for use.

Sealing options

	Heat Sealing Film	Heat Sealing Foil	Masterclear <i>real-time</i> PCR Film	PCR Film	PCR Foil	Storage Film	Storage Foil	Sealing Mat	Plate Lid
Material	Polyester	Aluminum	Polyester	Polyester	Aluminium	Polyester	Aluminum	TPE	Polystyrene
Resistance to chemicals	Compare with Application Note No. 56: “The best material for original Eppendorf Tubes® and Plates” at www.eppendorf.com/manuals								
Autoclavability	Not autoclavable							Autoclavable 121 °C, 20 min	Not auto-clavable
Operational temperature	-86 °C to +110 °C			-20 °C to +120 °C				-86 °C to +120 °C	-86 °C to +60 °C
Pierceable/ not pierceable	Not pierce-able	Pierceable	Not pierce-able	Not pierce-able	Pierceable	Not pierce-able	Pierceable	Pierceable	Not pierce-able
Transparency	Transparent	Nontrans-parent	Transparent	Transparent	Nontrans-parent	Transparent	Nontrans-parent	Nontrans-parent	Transparent
Peelability	Not peelable post-applica-tion	Peelable or removable post application							

For specific and detailed operating conditions please refer to the instructions for use.



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