



INTERNATIONAL
CONFERENCE & EXHIBITION

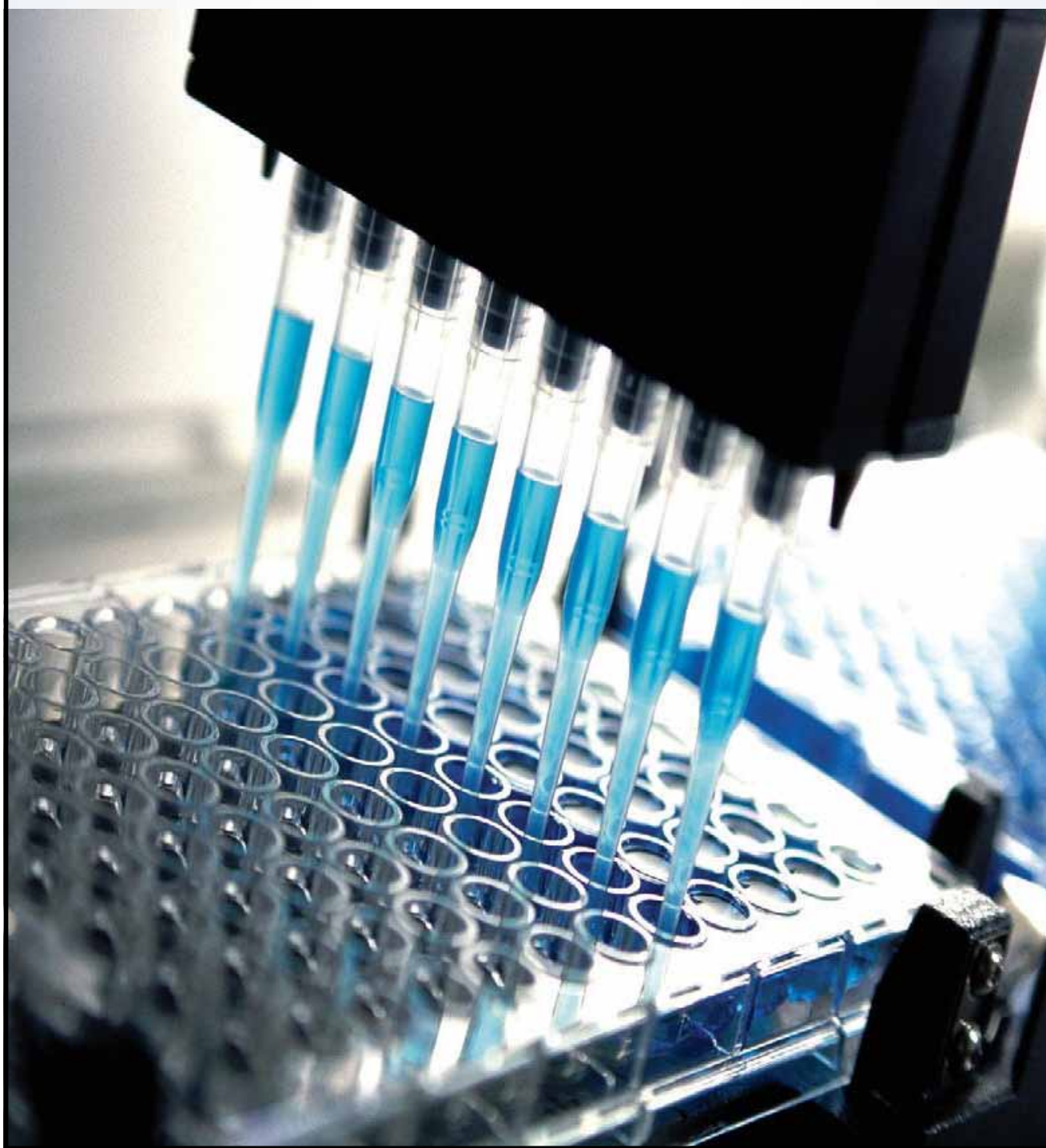


E&K SCIENTIFIC

FEB. 4-8

WASHINGTON DC
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WALTER E. WASHINGTON CONVENTION CENTER





E&K SCIENTIFIC

For over 42 years, E&K Scientific has been delivering high quality products,
with reliable performance, at competitive prices.

We offer a wide selection of products for automated liquid handling,
bio banking, genomics, HTS, purification, storage and more.

In addition, we provide customizable solutions and unique products tailored to meet your needs.

Our long-standing commitment to provide total customer satisfaction and quality products
has earned us a solid reputation throughout the scientific community.

Call us today!

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BioMicroLab

Automation

Automation Accessories
Magnetic Plates
Microplates
Pipetting Station
Reservoirs
Robotic Tips
Sealing Mats
Separation Plates
Tubes & Vials Systems

Cell Culture

BioReaction Tubes
Buffers
Cell Culture Supports
Enhanced Surfaces
Filtration
Flasks
Media & Media Bottles
Multiwell Plates
Serological Pipets

Molecular Biology

Agarose
Nuclease Free Water
PCR Tubes
PCR Plates
Precast Gels
qPCR Products
Sealing Solutions
Western Blotting

Sample Preparation

96 Well Purification Kits
Binding Plates
Columns
DNA Purification Kits
Magnetic Bead Separation
Protein Synthesis
Reagents
RNA Purification Kits

Sample Storage

Barcode & Label Printers
Capping System
Cardboard Boxes
Chillers & Coolracks
Cryogenic Vials
Freezer Storage
Labels
Scanners & Readers
Tubes
Tube Sorters
Volume Check

Equipment

Autoclaves
Centrifuges
Baths
Electrophoresis
Grinder & Homogenizers
Pipettors & Dispensers
Mixers, Rockers & Shakers
Power Supplies
Stirrers & Rotators
Thermal Cycler
Vortexer

General Supplies

Bottles
Carboys
Gloves
Pipetting
Racks
Reservoirs
Safety Supplies
Sealing
Tubes
Vials
Wipes

E&K Scientific Product, Inc.

3575 Thomas Road
Santa Clara, CA 95054

Phone: 800-934-8114

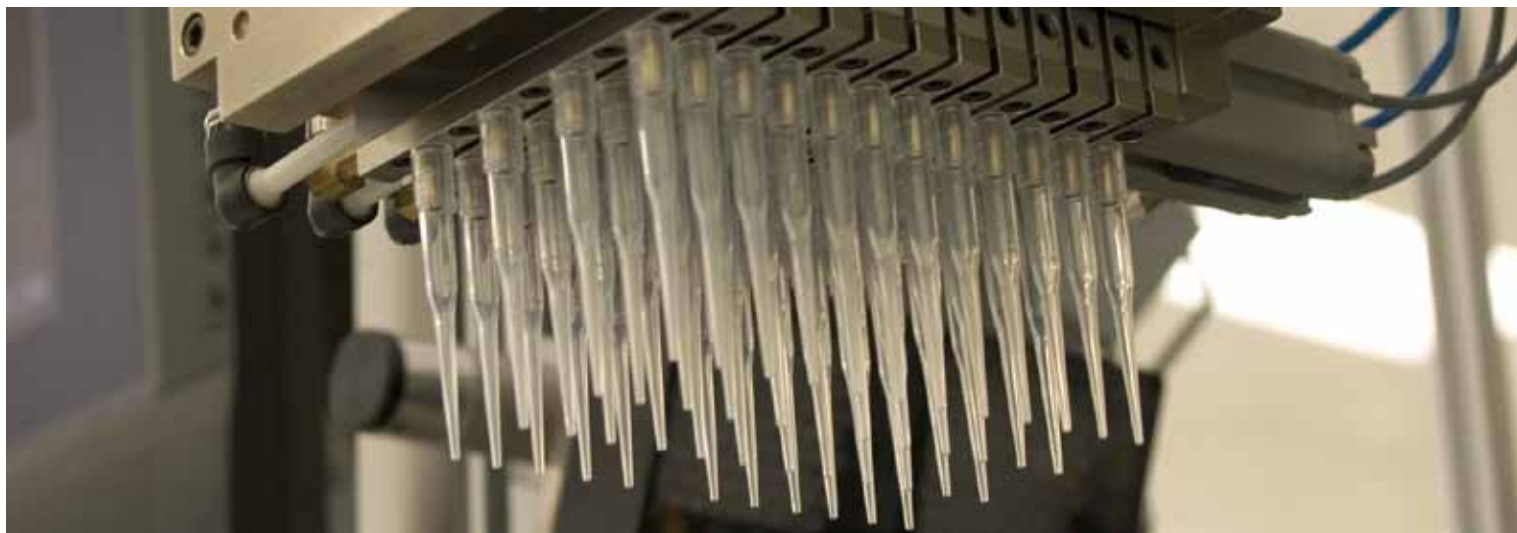
Fax: 408-567-9671

E-mail: service@eksci.com

Web: www.eksci.com

Automation Tips

RELIABLE PERFORMANCE AND SUPERIOR QUALITY

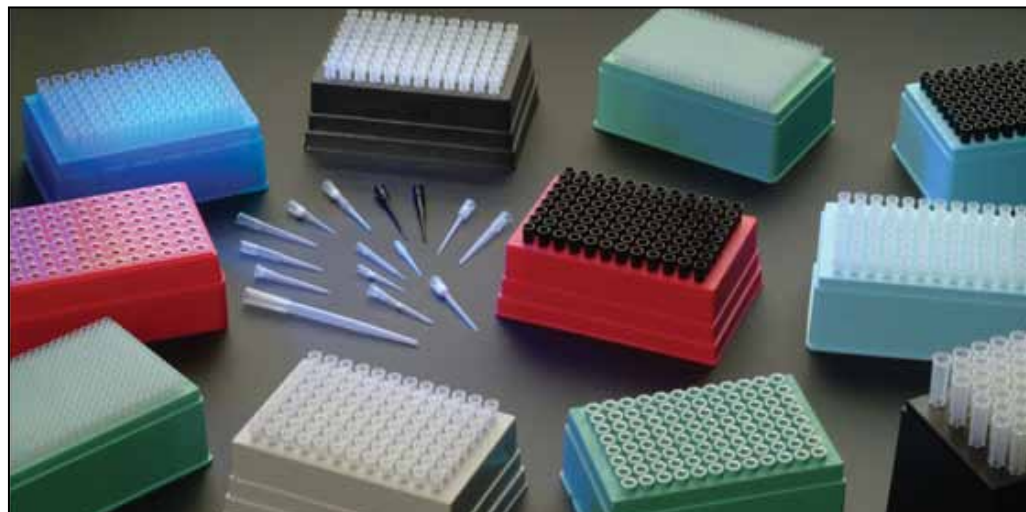
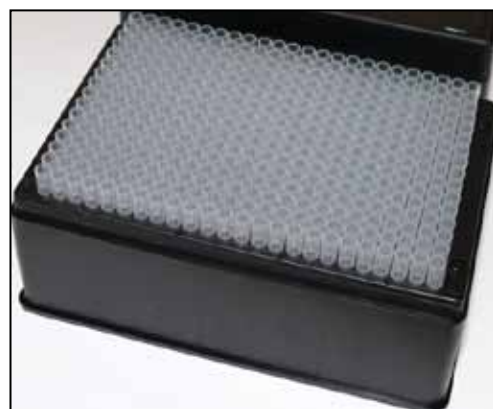


E&K Scientific offers a wide range of automation tips that are engineered to the exact specifications of the original equipment manufacturers' tips, ensuring complete compatibility and a consistent fit.

Engineering expertise and stringent QA/QC allows us to deliver optimum performance no matter which automated liquid handler you are working with.

FEATURES

- ▶ Available in 96 & 384 formats
- ▶ Complete compatibility and consistent fit
- ▶ Optimum workstation performance
- ▶ Complete manufacturing control ensures defects are eliminated
- ▶ Low binding available in most tip styles
- ▶ Unsurpassed straightness – hit every well, every time!
- ▶ Filter barrier prevents aerosol and liquid contamination
- ▶ Certified DNase-, RNase- and Pyrogen-free



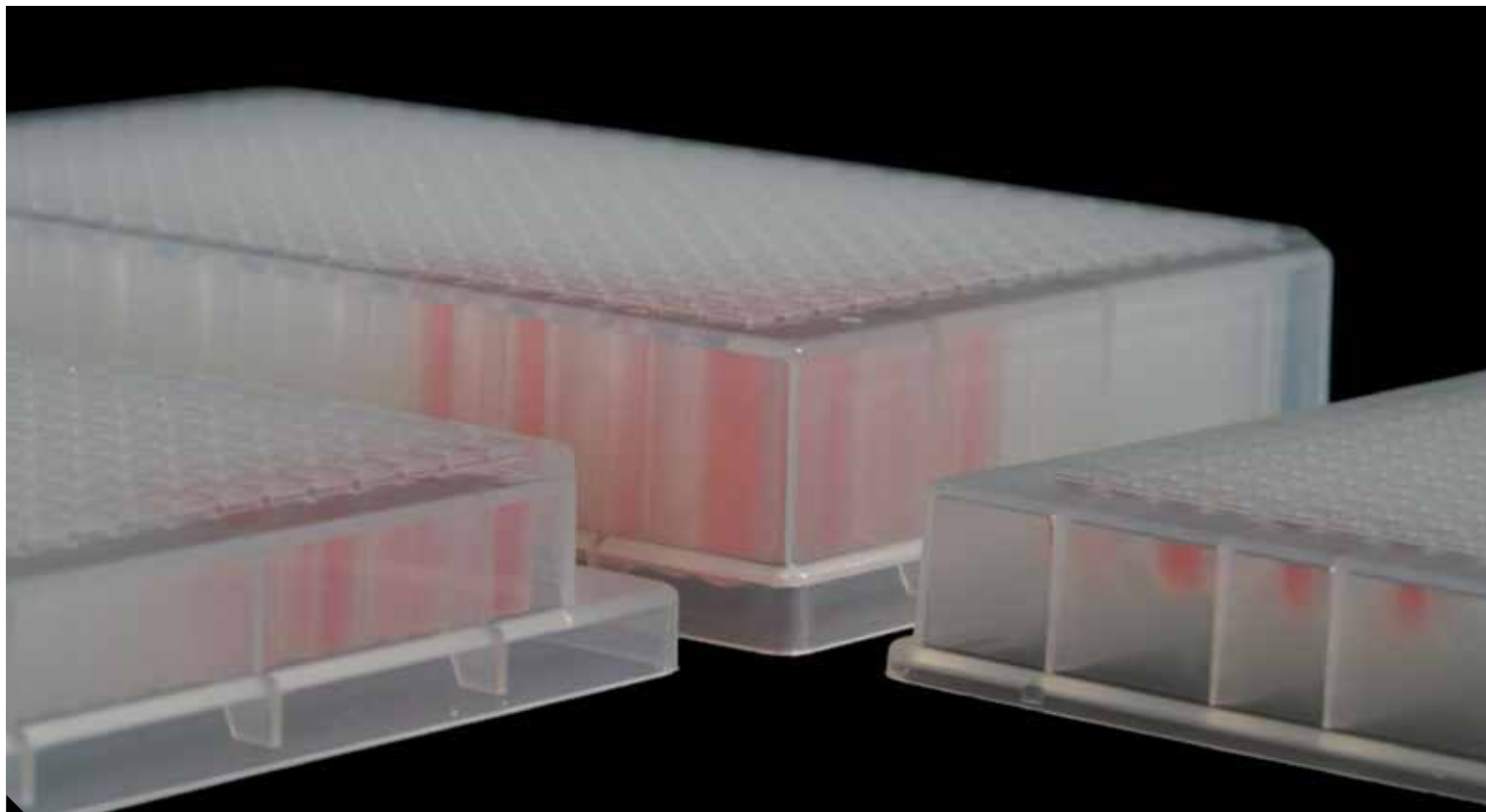
WE OFFER COMPATIBLE TIPS FOR THE FOLLOWING:

Agilent® / Velocity11
Beckman® Coulter
BIOTEK®
Dynamic Devices
Hamilton
Molecular Device Liberty
Perkin Elmer
Tecan®
Zymark®/Caliper
And more...



Storage Plates

GET THE RIGHT TOOL FOR THE TASK



96 & 384 Well Plates for Mixing, Sample Collection and Long Term Storage



- ▶ **Unique larger well diameter**
- ▶ **Raised wells for improved sealing**
- ▶ **Solvent resistant polypropylene**
- ▶ **Storage down to -80°C**
- ▶ **ANSI/SLAS standard footprint**
- ▶ **Certified DNase and RNase Free**

OmniGenX deep well plates are ideal for sample collection, in-vitro growth chambers and long-term storage.

Made of virgin polypropylene, they offer excellent chemical resistance and withstand temperatures down to -80°C.

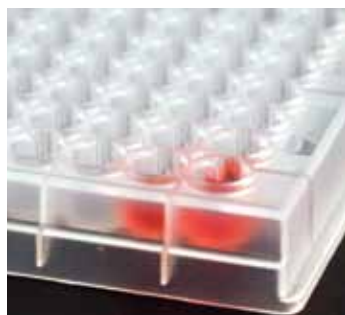
Our innovative OmniGenX 96 Well Target Plates have a well diameter that is 20% larger than the standard 96 well plate producing a larger volume well. So - our standard height plates hold more volume, our 1.2ml plate is half the height of typical 1ml plates and our 2ml plate has a round well, not square, reducing wicking and cross contamination. A unique portfolio!

In addition, OmniGenX plates come with either Round (U) or Conical (V) bottom wells for complete sample retrieval.



OmniGenX 96 Well Target Storage Plates - 20% LARGER WELL!

- ▶ 20% larger well for max well capacity and space savings
- ▶ Low binding options available
- ▶ Ideal for mixing, sample collection, and long term storage
- ▶ Raised wells for thermal or adhesive sealing

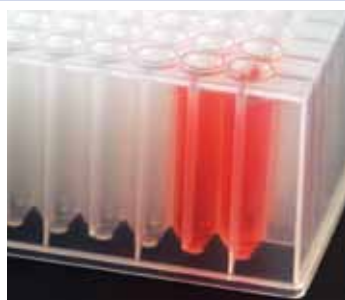


OX1260

Part#	Description	Well Ø	Height	Qty
OX1260	96 Round Well Plate, V-Bottom, 450µl	8.50mm	14.4mm	100/Cs
OX1260-LB	96 Round Well Plate, V-Bottom, 450µl, Low Bind	8.50mm	14.4mm	100/Cs
OX1261	96 Round Well Plate, U-Bottom, 500µl	8.50mm	14.4mm	100/Cs
OX1261-LB	96 Round Well Plate, U-Bottom, 500µl, Low Bind	8.50mm	14.4mm	100/Cs
Target 1.2ml Low Profile Plate - Half the Height of Standard 1ml Deep Well Plates				
OX1262	96 Round Well Plate, U-Bottom, 1.2ml	8.50mm	24.0mm	50/Cs
Target 2.0ml Plate - Eliminates Wicking				
OX1275	96 Round Well Plate, U-Bottom, 2.0ml	8.50mm	45.0mm	50/Cs

OmniGenX 96 Deep Well Storage Plates

- ▶ Low dead volume conical bottom plates for complete sample recovery
- ▶ Round wells for thermal or adhesive sealing

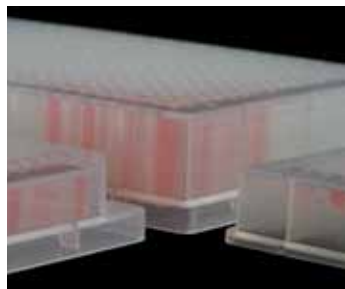


OX1264

Part#	Description	Well Ø	Height	Qty
OX1264	96 Round Well Plate, V-Bottom, 1.3ml	7.40mm	40.6mm	50/Cs
OX1265	96 Square Well Plate, V-Bottom, 2.2ml	8.20mm	41.2mm	50/Cs
1.2ml Low Profile Plate - Half the Height of the Standard Deep Well Plate				
OX1263	96 Square Well Plate, V-Bottom, 1.2ml	8.34mm	24.0mm	100/Cs

384 Well Storage Plates

- ▶ Low dead volume V-bottom design for complete sample recovery
- ▶ Raised wells for thermal or adhesive sealing



384 Plates

Part#	Description	Height	Qty
EK-2015	384 Well Plate, V-Bottom, 120µl, Clear	14.3mm	100/Cs
EK-2005	384 Deep Well Plate, V-Bottom, 190µl, Clear	24.7mm	100/Cs
EK-2253	384 Well Plate, Small Vol, U-Bottom, 58µl, Clear	14.5mm	60/Cs



Reusable Reservoirs

GET THE RIGHT TOOL FOR THE TASK



Specialized Microplate Reagent Reservoirs Simplify Small Volume Transfers



- ▶ **Sturdy Virgin Polypropylene**
- ▶ **Autoclavable & Chemical Resistant**
- ▶ **ANSI/SLAS Standard Footprint**
- ▶ **Compatible w/Virtually any Liquid Handler**
- ▶ **Low Dead Volume Designs**
- ▶ **Available in Sterile & Non Sterile Formats**
- ▶ **Certified DNase and RNase Free**

Unlike pipette box lids and disposable reservoirs, reusable reservoirs are sturdy containers that allow **manual access and handling of assay solutions**. They can be filled and stacked vertically to **minimize footprint** on automated platforms or within hoods, and can also be exposed to **harsh temperatures and chemical conditions**.

Small segmented chambers provide the ideal volume for scarce solutions, while offering a bottom geometry that **minimizes dead volumes**. The orientation of the chamber can **optimize transfers** with different sizes of manual pipettors.

Segmented reagent reservoirs are also **useful in “printing” reagent combination patterns** for Design Of Experiment (DOE) assays using automated 96- and 384-channel pipettor heads.



Column Format Reservoirs



EK-2034

Part#	Format	Columns	Style	Partitions	Row Vol	Plate Vol	Dead Vol	Qty
EK-2034	12/96 Well	12	Deep Well	Yes	21ml	252ml	0.5ml	25/Cs
EK-2057	12/96 Well	12	Low Profile	Yes	7ml	84ml	0.5ml	25/Cs
EK-2254	6/24 Well	6	Deep Well	Yes	47ml	282ml	1.08ml	25/Cs
EK-2060	24/384 Well	24	Low Profile	Yes	3.25ml	78ml	0.12ml	25/Cs
EK-2070	24/96 Well	24	Low Profile	Yes	3.5ml	84ml	0.25ml	25/Cs
EK-2072	4-Well	4	Deep Well	Yes	73ml	292ml	0.5ml	25/Cs

Row Format Reservoirs



EK-2032

Part#	Format	Columns	Style	Partitions	Row Vol	Plate Vol	Dead Vol	Qty
EK-2032	96 Well	8	Deep Well	Yes	32ml	256ml	0.82ml	25/Cs
EK-2058	96 Well	8	Low Profile	Yes	10.6ml	85ml	0.82ml	25/Cs
EK-2059	16/384 Well	16	Low Profile	Yes	4.9ml	78ml	0.18ml	25/Cs

Individual Well Format Reservoirs



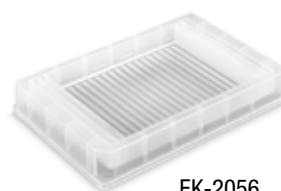
EK-2030



EK-2037

Part#	Format	Columns	Style	Partitions	Row Vol	Plate Vol	Dead Vol	Qty
EK-2030	96 Well	1, Flat	Low Profile	No	N/A	90ml	0.64ml	25/Cs
EK-2031	96 Well	8	Deep Well	No	N/A	290ml	0.82ml	25/Cs
EK-2033	12/96 Well	12	Deep Well	No	N/A	290ml	0.5ml	25/Cs
EK-2035	96 Well	1	Deep Well	No	N/A	300ml	0.64ml	25/Cs
EK-2036	96 Well	1	Low Profile	No	N/A	86ml	0.064ml	25/Cs
EK-2037	384 Well	1	Deep Well	No	N/A	282ml	0.007ml	25/Cs
EK-2038	384 Well	1	Low Profile	No	N/A	92ml	0.007ml	25/Cs
EK-2062	384 Well	1	Half Height	No	N/A	170ml	0.007ml	25/Cs

Open Format Reservoirs w/Controls



EK-2056

Part#	Format	Columns	Style	Partitions	Row Vol	Plate Vol	Dead Vol	Qty
EK-2056	384 Well	24	Low Profile	4 Controls	3.25ml	79.3ml	0.12ml	25/Cs
EK-2067	384 Well	2	Half Height	4 Controls	2.60ml	145ml	0.007ml	25/Cs
EK-2092	384 Well	1	Deep Well	2 Controls	N/A	282ml	0.007ml	25/Cs



Heat Sealers

a4S Automatic Heat Sealer

Flexible - Easy - Reliable: the perfect solution for automated heat sealing

- No air supply needed
- Compatible with a wide range of the plate types
- Plug and Play Robotic Integration
- Seals in less than 15 seconds

Part #	Description
EK-75185	a4S Automatic Heat Sealer

**NO
Air Supply
Needed!**



SPECIFICATIONS:	
Weight:	27kg
Voltage:	110/230V
Max Power Consumption:	700W
Power Saving Mode:	20W
Sealing Temp.:	100 - 200°C
Sealing Time:	0-10sec
Dimensions (WxLxH):	230x507x276mm
Connection:	RS-232 serial port, USB port

4s3™ Semi Automated HeatSealer

- Automatic sealing process for high sealing consistency
- Drawer closes automatically
- Selectable temperature and time settings for optimum results
- Tight temperature control across the heating block (+/- 0.5°C)
- Single action operation - closing the draw initiates the process
- Compatible with a wide range of the plate types
- Full range of thermal seals available

Part #	Description
EK-75101	4s3™ Thermal Sealer* (Universal Power Supply, Power Cord, and Manual)
EK-75015	Adaptor for Standard 96 Well and 384 Well Plates
EK-75002	Seal Platten (to hold down sealing sheets that have a tendency for curling)
EK-75025	Adaptor for 96 Well PCR Plates

SPECIFICATIONS:	
Weight:	9kg
Voltage:	110/230V
Power:	300W
Sealing Temp.:	60 - 200°C
Dimensions (WxLxH):	181x275x310mm



Heat Seals

Heat Seal	Description	Temp Range	Applications	Part #	Packaging
Clear Seal	Clear polymer forming a peelable seal to PP, PE, PS, PC and COC plates. Good optical clarity. Moderate solvent resistance.	-80°C to 80°C, 110°C with pressurised PCR heated lids	qPCR, short term compound storage	EK-75042	Abgene Style, 500m
				EK-75046	Velocity11 Style, 350m
Clear Weld	Clear polymer film forming a permanent seal to Polypropylene that cannot be peeled and is difficult to pierce. Good optical clarity and resistant to DMSO.	-80°C to 110°C	PCR, especially water baths, qPCR. Ideal for Roche LightCycler® 480. Storage and disposal of hazardous materials.	EK-75056	Abgene Style, 610m
				EK-75057	Velocity11 Style, 500m
Clear Seal 3730	Clear polymer. Seals to PP, PS, PE and COC. Piercable. Good optical clarity, some solvent resistance. Non peelable.	-20°C to 80°C, 110°C with pressurised PCR heated lids	For use with the ABI™ 3730 Sequencer as the thinner structure pierces more easily.	EK-75058	Abgene Style, 610m
				EK-75068	Velocity11 Style, 500m
Polystyrene Foil Seal	Optimized for polystyrene plates. Peelable and pierceable heat seal. Good solvent resistance including DMSO. Re-sealable w/another Foil Seal.	-20°C to 110°C	Low temp compound storage, short term room temp compound storage, PCR.	EK-75264	ABgene Style, 610m
Foil Seal	Peelable and pierceable heat seal to PP and PS plates. Good solvent resistance including DMSO. Resealable with another Foil Seal.	-20°C to 110°C	Low temp compound storage, short term room temp, compound storage, PCR.	EK-75037	Abgene Style, 610m
				EK-75041	Velocity11 Style, 500m
Pierce Seal	Heat seal to PP and PS plates that can be easily pierced with a tip. Very good solvent resistance including DMSO. Can be applied on top of each other for resealing.	-20°C to 120°C	PCR, compound storage, sample shipping.	EK-75030	Abgene Style, 610m
				EK-75034	Velocity11 Style, 500m
NEW Pierce Seal Strong	This seal is peelable from COC plates and gives a weld seal to PP plates. Very good solvent resistance including DMSO. Can be pierced with a pipette tip manually, or by a liquid handling robot.	-20°C to 120°C	PCR, sample shipping, low and room temperature compound storage with DMSO and other organic solvents.	EK-75267	Abgene Style, 610m
				EK-75268	Velocity11 Style, 500m
Thermal Bond	Heavy duty laminate material that seals to PP to give a strong peelable seal. High degree of sample protection. Good solvent resistance including DMSO.	-200°C to 110°C	Low temp transportation and storage, PCR, especially water bath cyclers. Storage of organic solvents, acids and alkaline.	EK-75062	Abgene Style, 500m
				EK-75065	Velocity11 Style, 300m
Peel Seal	Peelable heat seal to PP plates. Can be peeled directly from 80°C freezer. Good barrier to aqueous solutions. Moderate resistance to solvents at room temp.	-200°C to 90°C	Low temp, compound storage, short term room temp, compound storage (<5 days), PCR.	EK-75023	Abgene Style, 600m
				EK-75028	Velocity11 Style, 500m
DMSO Resistant Peel Seal	Peel Seal with a high resistance to solvents, even at elevated temp.	-80°C to 40°C	Both low and room temp compound storage with DMSO and other organic solvents. Good seal on COC plates.	EK-75085	Abgene Style, 500m
				EK-75086	Velocity11 Style, 500m Mini-Roll
Gas Permeable Seal Mk 2	Small pore size that allows gaseous exchange, but limits evaporation. Moisture Vapour Transmission Rate >20g/sqm/24h. Smaller than 20µm pore size.	-20°C to 80°C	Cell culture, overnight incubation, seed, and insect storage.	EK-75080	Abgene Style, 200m
				EK-75081	Velocity11 Style, 500m



MagnumFLX™

Enhanced Universal Magnet Plate

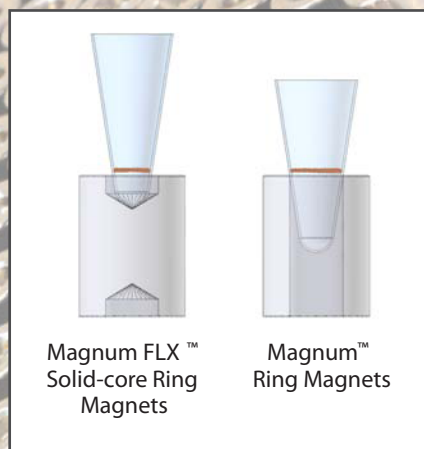


One Magnet Plate.... Endless Applications

The Magnum FLX *Enhanced* Universal Magnet Plate contains new, proprietary solid-core* ring magnets for increased speed and performance. The unique geometry of the solid-core magnets facilitates rapid separation of all sample volumes and low volume nucleic acid elution. These capabilities are complemented by universal compatibility with all commonly used 96-well microplates and robotic platforms.

All Our 96-well Magnet Plates in One Product

- Low to High Reaction Volumes
- Elution Volumes as Low as 10µl
- Up to 4.5x Faster for 1mL Samples Compared to Standard Ring Magnets
- Accommodates All 96-well Plate Types
- Universal Liquid Handler Compatibility
- Spring Cushion Technology for Maximum Sample Recovery



Product Name	Description	Catalog #
Magnum FLX™	Enhanced Universal Magnet Plate (96-well)	EK-29024

Alpaqua is a registered trademark of Alpaqua Engineering, LLC. Accelerating Genomic Discovery. Magnum and Magnum FLX are trademarks of Alpaqua Engineering, LLC. Alpaqua magnet plates are covered by US Patent 6,755,384. *Additional patent pending.



Introducing The FlexTroughSM

Clickbio
Innovative Lab Tools

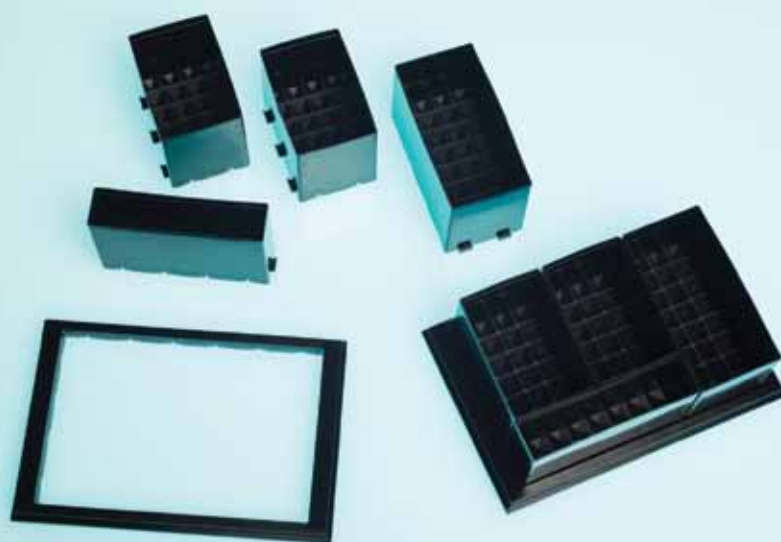
Create your own custom labware
at a fraction of the cost.

Smart design – The patent pending modular reagent troughs give you the flexibility to place multiple reagents in a single SBS footprint location.

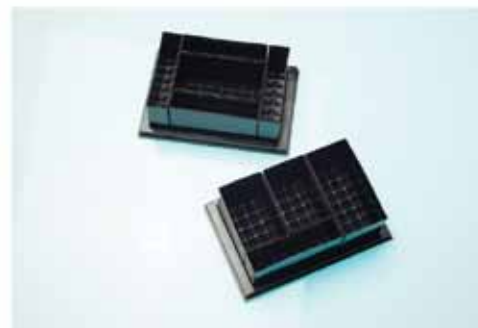
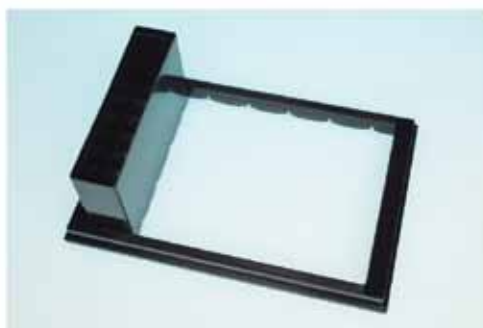
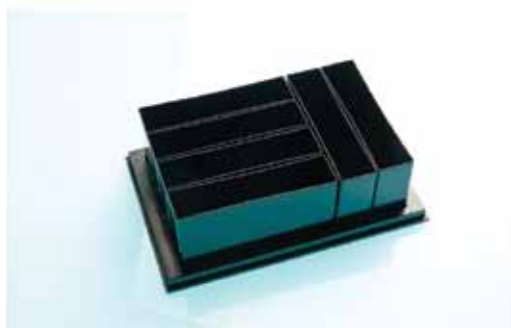
Optimize – Choose from 35ml, 55ml, & 75ml reservoirs and configure your FlexTrough in a way that optimizes your reagent use and plate map while decreasing run time.

Storage – Prefill & store your reservoirs in optimum conditions. When you're ready to run your assay simply assemble them in the SBS frame.

Protection – Black material protects your light sensitive reagents and samples.



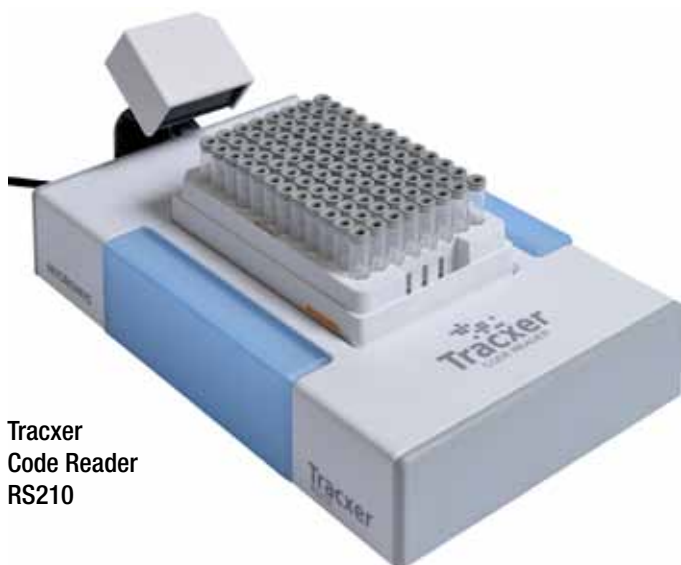
Patent Pending



Catalog #	Product Name	Description	Packaging
EK-2180	35ml FlexTroughs	150 x 35ml Reservoirs	25 Assemblies
EK-2181	55ml FlexTroughs	100 x 55ml Reservoirs	25 Assemblies
EK-2182	75ml FlexTroughs	75 x 75ml Reservoirs	25 Assemblies
EK-2183	FlexTroughs, Mixed Sizes	8 x 75ml, 8 x 55ml, 9 x 35ml Reservoirs	25 Assemblies



Sample Storage and Management Solutions



Tracxer
Code Reader
RS210



- 2D Bar Coded Storage Tubes in Sizes 0.5ml - 2.5ml
- Large Capacity Tubes Available in 3ml, 4ml and 6ml
- Special Storage Tubes
- Available in Both Screw Cap and Push-In Cap
- Code Readers (Single Tube & Whole Rack Readers)
- Cappers & Decappers (Manual & Electric)
- Sample Management Equipment

E&K Scientific has partnered with Micronic to offer a complete solution for all your sample storage and management needs. By combining a wide array of tube sizes, rack configurations, sealing products and related equipment - all in one place, we are able to handle the complex product requirements of today's scientist.

