



LIFE SCIENCE RESEARCH 2018

VOLUME 2

High Purity Reagents

Our new line of ultra-pure Pristine™ Chemicals and chemistry chemicals on page 12.

Sapphire Serological Pipettes

Now with improved, easy to read graduations. DNase/RNase free! See more on page 18.

Cryogenic | Tubes, Boxes, Racks

Our newly expanded selection of cryogenic vials, storage boxes, and freezer racks on pages 19 & 20!

New high purity chemicals and highly practical consumables!

Contact Info@AzerSci.com for more information.



Pristine® LC-MS & HPLC

Advance Microplates



Culture Tubes

Serological Pipettes



AzerPro Repeating Pipettor

- Offers 9 tip sizes, 10 volume adjustments and 120 program steps
- **Maintenance-free:** does not require additional resources such as power supply or batteries
- Easy-moving dosing button & light-weight design allows long dosing series to be dispensed conveniently
- Specially designed to precisely align with our Sapphire syringe tips
- Resistant to common laboratory chemicals



Cat. No.	Description	UOM
ES42020 - 0000	AzerPro Repeating Pipettor	Each

Sapphire Syringe Tips

- Designed for the AzerPro Repeating Pipettor
- Available in a wide range of sizes, for dispensing volumes from 1 µl to 50 mL
- Provides reliable, and repeatable results for a wide range of liquids including: viscous, infectious, and volatile
- Available in **sterile** and **non-sterile options**
- All sterile tips are individually wrapped and certified to be pyrogen, ATP, RNase, and DNase free

Classic Syringe Tips



Evolution Syringe Tips



	NON-STERILE	STERILE	
Size	Cat. No.	Cat. No.	UOM
0.05 mL	ES40010-0000	ES40010-0008	100/pack
0.5 mL	ES40010-0001	ES40010-0009	100/pack
1.25 mL	ES40010-0002	ES40010-0010	100/pack
2.5 mL	ES40010-0003	ES40010-0011	100/pack
5.0 mL	ES40010-0004	ES40010-0012	100/pack
12.5 mL	ES40010-0005	ES40010-0013	100/pack

Classic Style Syringe Tips (standard and sterile), are suitable for: Ripette®, Ripette®pro, Ripette®genX, eLine™-Dispenser, Minilab 100, Minilab 101, Minilab 201, Distriman®, StepMate, EasyStep, EasyStep electronic, RepeatOne®, Handrop.

	NON-STERILE	STERILE	
Size	Cat. No.	Cat. No.	UOM
0.1 ml	ES40017-0000	ES40017-0011	100/Pack
0.2 ml	ES40017-0001	ES40017-0012	100/Pack
0.5 ml	ES40017-0003	ES40017-0013	100/Pack
1.0 ml	ES40017-0004	ES40017-0014	100/Pack
2.5 ml	ES40017-0005	ES40017-0015	100/Pack
5.0 ml	ES40017-0006	ES40017-0016	100/Pack
10.0 ml	ES40017-0007	ES40017-0017	100/Pack
25.0 ml	ES40017-0009	ES40017-0019	25/Pack
50.0 ml	ES40017-0010	ES40017-0020	25/Pack

Evolution Syringe Tips (standard and sterile), are suitable for: Ripette®, Ripette®pro, STEPMATE, Minilab 100/101, Multipette® 4780, Multipette® plus, Multipette® M4, HandyStep®, HandyStep® electronic, Distriman

Adapters

Cat. No.	Description	UOM
ES43001-0847	Adapter for 25 ml Tip	Each
ES43001-0848	Adapter for 50 ml Tip	Each





Standard Pipet Tips

Universal fit for all major pipettors & bevel ends retain less fluid. Both tips and racks are autoclavable. Graduations on tip exterior help visually confirm pipet settings. Extra fine tip fits into small micro tubes and deep well plates. Extra length prevents pipet barrel contamination.

Description	BULK		RACKED		STERILE RACKED		REFILL	
	Cat. No.	UOM	Cat. No.	UOM	Cat. No.	UOM	Cat. No.	UOM
0.1-10 µL, clear, graduated, fine tip	ES81350	1000/bag	ES81450	96/RK, 12 RK/PK	ES81450S	96/RK, 12 RK/PK	ES81450RF	96/RK, 13 RK/PK
200 µL clear, beveled point	ES81320	1000/bag	ES81400	96/RK, 10 RK/PK	ES81400S	96/RK, 10 RK/PK	ES81400RF	96/RK, 10 RK/PK
200 µL clear, graduated, beveled point	ES81306	1000/bag	ES81406	96/RK, 10 RK/PK	ES81406S	96/RK, 10 RK/PK	ES81406RF	96/RK, 10 RK/PK
200 µL, yellow, beveled point	ES81302	1000/bag	ES81402	96/RK, 10 RK/PK	ES81402S	96/RK, 10 RK/PK	ES81402RF	96/RK, 10 RK/PK
100-1000 µL clear, graduated, fine tip	ES81330	1000/bag	ES81430	96/RK, 6 RK/PK	ES81430S	96/RK, 6 RK/PK	X	X
100-1000 µL, blue, fine tip	ES81391	1000/bag	ES81431	96/RK, 6 RK/PK	ES81431S	96/RK, 6 RK/PK	X	X
100-1250 µL, extra long tip (3.5"), fine tip, flexible top	ES81338	1000/bag	ES81498	96/RK, 6 RK/PK	ES81498S	96/RK, 6 RK/PK	ES81498RF	96/RK, 5 RK/PK

Filter Pipet Tips

- Allow complete sample recovery without cutting into tip
- Prevents pipettor contamination from aerosols or fluid spray

Cat. No.	Description	UOM
ES81803	0.1-10 µL, clear, graduated, sterile, racked	96/RK, 12 RK/PK
ES81803RF	0.1-10 µL, clear, graduated, sterile, refills	96/RK, 10 RK/PK
ES81808	0.1-10 µL, clear, ext length, sterile, racked	96/RK, 10 RK/PK
ES81843	40 µL, clear, sterile, racked	96/RK, 10 RK/PK
ES81843RF	40 µL, clear, sterile, refills	96/RK, 10 RK/PK
ES81863	100 µL, clear, sterile, racked	96/RK, 10 RK/PK
ES81873	200 µL, clear, sterile, racked	96/RK, 10 RK/PK
ES81873RF	200 µL, clear, sterile, refills	96/RK, 10 RK/PK
ES81883	300 µL, clear, ext length, sterile, racked	96/RK, 6 RK/PK
ES81893	1000 µL, clear, sterile, racked	96/RK, 6 RK/PK
ES81893RF	1000 µL, clear, sterile, refills	96/RK, 8 RK/PK

Low Retention Filter Pipet Tips

- Allow complete sample recovery without cutting into tip
- Prevents pipettor contamination from aerosols or fluid spray
- Up to 10 times less fluid retention than standard tips

Cat. No.	Description	UOM
ES81657	10 µL, clear, sterile, racked	96/RK, 12 RK/PK
ES81657L	10 µL, clear, extra long, sterile, racked	96/RK, 10 RK/PK
ES81667	20 µL, clear, sterile, racked	96/RK, 10 RK/PK
ES81607	200 µL, clear, sterile, racked	96/RK, 10 RK/PK
ES81637	1000 µL, clear, sterile, racked	96/RK, 6 RK/PK

All tips are: DNA/DNase/RNase free, Non-Pyrogenic, Certified Low Trace Metals, Medical Grade Resin and Packaging, CFR 21 ESFDA Compliant

LTS Pipet Tips | Compatible with the Lite Touch™

Description	BULK		RACKED		STERILE RACKED		REFILL	
	Cat. No.	UOM	Cat. No.	UOM	Cat. No.	UOM	Cat. No.	UOM
20 µL, clear	ES81369	1000/bag	ES81469	96/RK, 10 RK/PK	ES81469S	96/RK, 10 RK/PK	ES81469RF	96/RK, 11 RK/PK
250 µL, clear	ES81309	1000/bag	ES81409	96/RK, 10 RK/PK	ES81409S	96/RK, 10 RK/PK	ES81409RF	96/RK, 10 RK/PK
100-1000 µL, clear	ES81339	1000/bag	ES81439	96/RK, 6 RK/PK	ES81439S	96/RK, 6 RK/PK	ES81439RF	96/RK, 5 RK/PK

LTS Filter Pipet Tips | Compatible with the Lite Touch™

Description	RACKED STERILE		REFILLS STERILE	
	Cat. No.	UOM	Cat. No.	UOM
20 µL, clear, sterile	ES81839	96/RK, 10 RK/PK	ES81839RF	96/RK, 10 RK/PK
200 µL, clear, sterile	ES81879	96/RK, 10 RK/PK	ES81879RF	96/RK, 10 RK/PK
100-1000 µL, clear, sterile	ES81899	96/RK, 6 RK/PK	ES81899RF	96/RK, 8 RK/PK

AzerPette™ Variable Pipettors

We offer a high precision, adjustable pipette that is fully autoclavable. It is designed for improved ergonomics and comfort. Also, chemically resistant, with maintenance-free seals. Continually adjustable, digital micrometer. Includes a free calibration tool. **UOM: EACH.**

Cat. No.	Description	UOM
ES81942-T-5ML	Tips, 5 mL, bagged	250/bag
ES81942-T-10ML	Tips, 10mL, bagged	250/bag

Cat. No.	Description
ES81942-2	AzerPette™, 0.2-2 µL
ES81942-10	AzerPette™, 1-10 µL
ES81942-20	AzerPette™, 2-20 µL
ES81942-200	AzerPette™, 20-200 µL
ES81942-1M	AzerPette™, 100-1,000 µL
ES81942-5M	AzerPette™, 1-5 mL
ES81942-10M	AzerPette™, 1-10 mL



Lite Touch™ and Rainin® are a registered trademarks of Mettler-Toledo Intl.

Centrifuge Tubes

- Made of ultra-clear polypropylene
 - Features printed graduation marks
 - Large, white writing surface
 - Usable temperature range of -86°C to 121°C
- Max RCF (15 mL):** 12,000 x g
Max RCF (50 mL): 15,000 x g



Cat. No.	Description	UOM
ES-9151N	15 mL Tube, flat cap, sterile, racked	50/rack, 500/case
ES-9152N	15 mL Tube, flat cap, sterile, bulk	25/bag, 500/case
ES-9501N	50 mL Tube, flat cap, sterile, racked	25/rack, 500/case
ES-9502N	50 mL Tube, flat cap, sterile, bulk	25/bag, 500/case

Sapphire



5 mL Screw Top Centrifuge Tube

- Made of virgin polypropylene
 - Similar to 15 mL, but requires 60% less space!
 - Dual graduations at 0.2 mL and 0.5 mL
 - 20mm screw cap closes with a single 360° turn
 - Useable temperature range of -86°C to 110°C
- Max RCF:** 25,000 x g



Cat. No.	Description	UOM
ES84680-SC	5 mL Tube, bulk, non-sterile	500/case
ES84682-SC	5 mL Tube, racked, sterile	500/case

Premium Centrifuge Tubes

- Certified low trace metals
 - CFR 21 USFDA Compliant
 - Tubes and packaging made of medical grade resin
 - Anti-smear labeling surface
 - Thicker, durable walls allow tubes to withstand higher g-forces
 - Usable temperature range of -80°C to 122°C
- Max RCF (15 mL):** 17,000 x g
Max RCF (50 mL): 20,000 x g



Cat. No.	Description	UOM
ES84127	15 mL Tubes, bulk, flat caps, sterile	50/pack, 500/case
ES84127R	15 mL Tubes, racked, flat caps, sterile	50/pack, 500/case
ES84141	50 mL Tubes, bulk, flat caps, sterile	50/pack, 500/case
ES84141R	50 mL Tubes, racked, flat caps, sterile	25/pack, 500/case

Centrifuge Tube Racks

- Combo & single racks can be stacked in open or closed position, and collapse for easy storage
- Imprinted grid for organization

Cat. No.	Description	UOM
ES82912	Combo Rack, blue	2/pack
ES82913	Combo Rack, pink	2/pack
ES82932	Single Rack for 15 mL tubes, purple	2/pack
ES82934	Single Rack for 50 mL tubes, green	2/pack
ES87245	Multi tube rack, holds 50/15/1.5/2.0/0.5 mL tubes, blue	5/pack, 4 pack/case





Sapphire 5 mL Centrifuge Tube

- Made from high-clarity, polypropylene
- Syringe-permeable cap
- Dual graduations at 0.2 mL and 0.5 mL
- Cap provides secure seal from -86°C to +80°C.
- Locking cap prevents tubes from opening during high heat applications (sold separately)

Max RCF: 25,000 x g



Cat. No.	Description	UOM
ES84682	5 mL Tube, sterile, clear	20/pack, 10 packs/case
ES84680	5 mL Tube, non-sterile, clear	100/pack, 2 packs/case
ES84680-B	5 mL Tube, non-sterile, blue	100/pack, 2 packs/case
ES84680-G	5 mL Tube, non-sterile, green	100/pack, 2 packs/case
ES84680-R	5 mL Tube, non-sterile, red	100/pack, 2 packs/case
ES84680-Y	5 mL Tube, non-sterile, yellow	100/pack, 2 packs/case
ES84688	Cap Locks for 5 mL Tubes	20/pack

Sapphire 1.5 mL MicroCentrifuge Tube

- Made from high-clarity, polypropylene
- Reinforced conical bottom
- Graduation marks at 0.1 mL and every 0.025 mL
- Syringe-permeable cap
- Usable temperature range of -90°C to +121°C

Max RCF: 28,000 x g



Cat. No.	Description	UOM
ES84641	1.5 mL Tube, sterile	500/bag

Rotating Tube Mixer

- Adjustable speed and tilt angle
- Reversing mode, for more intense mixing
- Cold room and incubator safe
- Includes three rotisseries:

48 x 1.5 mL tubes
20 x 15 mL tubes
12 x 50 mL tubes



Cat. No.	Description	UOM
ES59411	Rotating Mixer	Each

Centrifuge Tubes, Opaque Black

- For use with light sensitive samples
- Feature large white labeling areas
- Conical bottom

Max RCF (1.5 mL): 18,000 x g

Max RCF (5 mL): 25,000 x g

Max RCF (15 mL): 12,000 x g

Max RCF (50 mL): 16,000 x g



Cat. No.	Description	UOM
ES4250-15BL	1.5 mL Tube, Microcentrifuge Tube, black	500/case
ES84680BL	5 mL Snap Top Tube, black, non-sterile	200/case
ES84682-SC-BL	5 mL Screw Top Tube, black, racked, sterile	50/RK, 500/CS
ES84461	15 mL Centrifuge Tube, black	500/case
ES84465	50 mL Centrifuge Tube, black	500/case

Mini Vortex Mixers

- Instantly vortexes samples up to 50 mL
- Pressure activated start/stop operation
- Small footprint at only 4 inches wide

Fixed Speed: 2,800 rpm



Cat. No.	Description	UOM
ES59484	Mini Vortex Mixer, gray	Each
ES59484B	Mini Vortex Mixer, blue	Each
ES59484G	Mini Vortex Mixer, green	Each
ES59484P	Mini Vortex Mixer, purple	Each
ES59484R	Mini Vortex Mixer, red	Each

Azer Vortex Mixer

- Orbital vortex mixer provides instant vortexing
- Silicone feet and steel base for vibration damping
- Features an analog scale speed display
- Allows for touch or continuous operation

Speed Range: 0 to 2500 rpm

Dimensions: 5" x 5" x 6"



Cat. No.	Description	UOM
ES3362	Azer Vortex Mixer	Each
ES3362T	Universal Adapter for Foam Inserts	Each
ES3362T-6	Foam Test Tube Insert, 48 x 6 mm diameter	Each
ES3362T-10	Foam Test Tube Insert, 18 x 10 mm diameter	Each
ES3362T-12	Foam Test Tube Insert, 12 x 12 mm diameter	Each
ES3362T-16	Foam Test Tube Insert, 8 x 16 mm diameter	Each
ES3362T-20	Foam Test Tube Insert, 8 x 20 mm diameter	Each
ES3362P	Flat Head Platform Pad Insert	Each

Sapphire Individual PCR Tubes



- Made from Polypropylene (PP)
- Thin-wall design helps liquid reach the target temperature quickly
- Reduces the evaporation of the reaction solution
- DNase, RNase, DNA free
- Autoclavable

Cat. No.	Description	UOM
ES53211	Individual PCR Tubes (0.2mL), Flat Caps Attached	1,000/pack

Sapphire PCR Strips



- Made of clear Polypropylene (PP)
- Reduces the evaporation of the reaction solution
- Increase the real-time PCR fluorescent signal strength
- DNase, RNase, DNA free
- Autoclavable

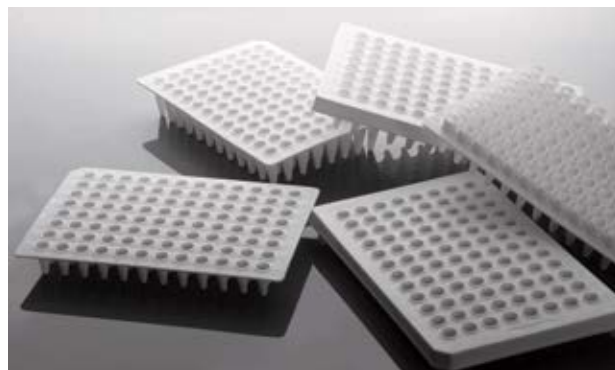
Cat. No.	Description	UOM
ES53225	8-Tube PCR Strip (0.2mL), Flat Caps Attached	125/pack
ES53223	8-Tube PCR Strip (0.2mL)	125/pack
ES53231	Flat Caps for 8-Tube PCR Strip	125/pack
ES53233	Domed Caps for 8-Tube PCR Strip	125/pack
ES4305	Domed Caps for 12-Tube PCR Strip	125/pack
ES4304	12-Tube PCR Strip (0.2mL)	125/pack

Sapphire PCR Well Plates



- High quality Polypropylene material to guarantee low protein absorption and the loss of liquid
- Specially designed for rapid thermal transfer
- White plates are ideal for qPCR
- Certified free of DNase, RNase, pyrogen, and human DNA

Cat. No.	Wells	Volume	Skirt	Features	Color	UOM
ES53400	96 Well	0.1 mL	Non-skirted	-	Clear	10/PK, 100/CS
ES53401	96 Well	0.2 mL	Non-skirted	-	Clear	10/PK, 100/CS
ES53402	96 Well	0.2 mL	Non-skirted	Elevated wells	Clear	10/PK, 100/CS
ES53403	96 Well	0.1 mL	Semi skirted	Thin wall	Clear	10/PK, 100/CS
ES53404	96 Well	0.2 mL	Semi skirted	-	Clear	10/PK, 100/CS
ES4315	96 Well	0.1 mL	Skirted	Thin wall	Clear	10/PK, 100/CS
ES4316BK	96 Well	0.1 mL	Skirted	Thin wall	Black	10/PK, 100/CS
ES4316W	96 Well	0.1 mL	Skirted	Thin wall	White	10/PK, 100/CS
ES4309	384 Well	40 µL	Skirted	Thin wall	Clear	10/PK, 100/CS
ES4310BL	384 Well	40 µL	Skirted	Thin wall	Black	10/PK, 100/CS
ES4310W	384 Well	40 µL	Skirted	Thin wall	White	10/PK, 100/CS



Sapphire Sealing Films & Foils

Films

- Perforated end tabs and a multiple split backing for accurate positioning and secure seal
- Less than .001% moisture permeable under high humidity conditions and less than .01% oxygen permeable
- DMSO resistant

Foils

- Ideal for manual sealing during PCR work and also for high throughput applications
- Adhesive backing makes it easy to apply
- Pierceable with a pipet tip for easy access to sample
- DMSO resistant and no heat sealer needed

Cat. No.	Description				Temp. Range	UOM
ES53953	PCR sealing aluminum foil	adhesive	pierceable	non-sterile	-80 to +120	100/pack
ES53957	Sealing film	adhesive	transparent	non-sterile	-40 to +120	100/pack
ES53957-S	Sealing film	adhesive	transparent	sterile	-40 to +120	100/pack
ES53955	PCR sealing film	thermal	transparent	non-sterile	-70 to +100	100/pack
ES53955-S	PCR sealing film	thermal	transparent	sterile	-70 to +100	100/pack





Taq DNA Polymerase and Master Mix

- Ideal for routine PCR applications as well as genotyping, colony PCR and fast PCR
- Improved template affinity and increased processivity for higher enzymatic activity and greater yields
- Buffer optimized for a variety of assay conditions

Cat. No.	Description	UOM
ES53711-500	Taq DNA Polymerase	500u (5u/μl)
ES53711-1000	Taq DNA Polymerase	1000u (5u/μl)
ES53711-6000	Taq DNA Polymerase	6000u (5u/μl)
ES53713-200	2X Taq Master Mix	200 x 50μl Reactions
ES53713-1000	2XTaq Master Mix	1000 x 50μl Reactions
ES53715-200	2X Taq Red Master Mix	200 x 50μl Reactions
ES53715-1000	2X Taq Red Master Mix	1000 x 50μl Reactions

Taq Plus DNA Polymerase & Master Mix

- Higher fidelity for long PCR amplicons, up to 35kb
- Ideal for problematic templates
- Better sensitivity and higher activity for low copy and long PCR
- Enzyme of choice for TA cloning

Cat. No.	Description	Size
ES53751-250	Taq Plus DNA Polymerase	250u (5u/μl)
ES53751-500	Taq Plus DNA Polymerase	500u (5u/μl)
ES53753-200	2X Taq Plus Master Mix	200 x 50μl Reactions
ES53753-1000	2X Taq Plus Master Mix	1000 x 50μl Reactions

1 Hour Mammalian Genotyping Kit

- DNA extraction and amplification in an hour
- Proprietary lysis buffer optimized for ear punches, tail snips and other mammalian tissues
- Single tube - no organic solvents or clean up procedures
- Enhanced Hot Start Taq Polymerase Master Mix included

Cat. No.	Description	Reactions
ES53793-80	1 Hour Mammalian Genotyping Kit	80
ES53793-400	1 Hour Mammalian Genotyping Kit	400

qMAX™ Green qPCR Mix

- Superior sensitivity and fast cycling with exceptional results
- Includes Hot Start Taq Polymerase for greater specificity & accuracy
- Ideal for low copy number templates
- Early C_t values and detection across a broad dynamic range

Cat. No.	Description	Reactions (20μl volume)
ES53813-100	qMax Green, Low Rox qPCR Mix	100
ES53813-500	qMax Green, Low Rox qPCR Mix	500
ES53813-1000	qMax Green, Low Rox qPCR Mix	1000
ES53815-100	qMax Green, High Rox qPCR Mix	100
ES53815-500	qMax Green, High Rox qPCR Mix	500
ES53815-1000	qMax Green, High Rox qPCR Mix	1000

Hot Start Taq DNA Polymerase & Master Mix

- Exceptional sensitivity for low copy PCR
- Ideal for multiplex PCR and amplification of GC-rich DNA
- Same enhanced features as Taq Polymerase
- Buffer optimized for fast cycling and reproducibility

Cat. No.	Description	UOM
ES53731-500	Hot Start Taq DNA Polymerase	500u (5u/μl)
ES53731-1000	Hot Start Taq DNA Polymerase	1000u (5u/μl)
ES53731-6000	Hot Start Taq DNA Polymerase	6000u (5u/μl)
ES53733-200	Hot Start 2X Taq Master Mix	200 x 50μl Reactions
ES53733-1000	Hot Start 2X Taq Master Mix	1000 x 50μl Reactions
ES53735-200	Hot Start 2X Taq Red Master Mix	200 x 50μl Reactions
ES53735-1000	Hot Start 2X Taq Red Master Mix	1000 x 50μl Reactions
ES53737-500	Hot Start ChemMod Taq	500u (5u/μl)
ES53737-1000	Hot Start ChemMod Taq	1000u (5u/μl)
ES53737-6000	Hot Start ChemMod Taq	6000u (5u/μl)

High Fidelity DNA Polymerase

- 50X higher fidelity than Taq DNA polymerase
- Works with crude DNA samples
- Ideal for cloning, mutagenesis and microarrays
- Optimized buffer system with unique PCR enhancers

Cat. No.	Description	Size
ES53791-200	High Fidelity DNA Polymerase	200u (2u/μl)
ES53791-1000	High Fidelity DNA Polymerase	1000u (2u/μl)

qMAX™ cDNA Synthesis Kit

- Rapidly generate high quality, qPCR ready cDNA
- Unbiased, complete sequence representation
- Thermostable qMax RT with RNase inhibitor
- Optimized for use across a wide dynamic range
- Two tube format for easy reaction set up

Cat. No.	Description	Reactions (20μl volume)
ES53851-25	qMax cDNA Synthesis Kit	25
ES53851-100	qMax cDNA Synthesis Kit	100
ES53851-250	qMax cDNA Synthesis Kit	250

qMAX™ Probe qPCR Mix

- Same high efficiency for multiplex and singleplex reactions
- Compatible with popular hydrolysis and beacon probes
- Early C_t values and detection across a broad dynamic range

Cat. No.	Description	Reactions (20μl volume)
ES53831-100	qMax Probe, No Rox qPCR Mix	100
ES53831-500	qMax Probe, No Rox qPCR Mix	500
ES53831-1000	qMax Probe, No Rox qPCR Mix	1000
ES53833-100	qMax Probe, Low Rox qPCR Mix	100
ES53833-500	qMax Probe, Low Rox qPCR Mix	500
ES53833-1000	qMax Probe, Low Rox qPCR Mix	1000
ES53835-100	qMax Probe, High Rox qPCR Mix	100
ES53835-500	qMax Probe, High Rox qPCR Mix	500
ES53835-1000	qMax Probe, High Rox qPCR Mix	1000



Thermal Cycler

- Features an intuitive touchscreen control and is designed for quick and easy protocol entry
- Multi-format block accepts 96 x 0.2 mL tubes, 39 x 0.5 mL tubes or a non-skirted 96 well plate
- Exceptionally fast cycling
- Fully adjustable heated lid

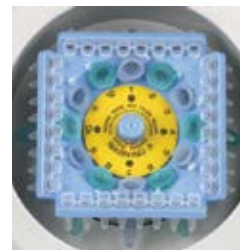
Temperature Control Range: 0° to 100°C

Ramp Rate: 4°C/second

Lid Temperature: 30°C to 112°C

Dimensions: 10.2" x 14.2" x 9.9"

Cat. No.	Description	UOM
ES59721	Thermal Cycler	Each



AzerFuge 12 Mini Centrifuge

- 12 place combination rotor accommodates both microcentrifuge tubes and PCR strips
- Holds up to 4 x 8-tube PCR strips and/or 12 microcentrifuge tubes
- Simple start and stop with the closing and opening of the lid
- Quiet while operating
- Compact, low-profile design

Dimensions: 5.75" x 8" x 4.25"

Speed: 5,500 rpm / 2,000 x g

Cat. No.	Description	UOM
ES59810	AzerFuge 12 Mini Centrifuge	Each

Mini Microplate Centrifuge

- Quick spins of droplets in PCR plates
- Unique rotor design to prevent sample spillage allows user to insert plates at angle. When centrifugation begins, plates automatically swing into a vertical position.
- Accepts all popular PCR plates

Dimensions: 9.2" x 10.2" x 7.75"

Speed: 2550 rpm/ 600 x g

Cat. No.	Description	UOM
ES59770	Mini Microplate Centrifuge	Each
ES59772	Adapter 96 x 0.2 mL/ 12 x PCR strip	Each
ES59774	Rotor for deep well plates	2/pack



Microplate Absorbance Reader

- Intuitive, 7 inch color touch screen control panel
- Filter based system with wavelength range from 340 to 750nm
- Operates as a stand alone system, with USB flash drive drive for data transfer
- Absorbance range: 0.0 to 4.0000 Abs
- 8 channel vertical optical path, with zero dispersion
- Integrated, multi-speed plate shaker

Cat. No.	Description	UOM
ES59850	Microplate Reader	Each

Includes 405, 450, 492 and 530nm filters



Printer Compatible



Windows Compatible



Touch Screen



Color Display



USB File Storage

MyGel™ Mini Electrophoresis System

- Complete system includes gel tank, power supply, and two casting sets
- Casting sets include stands, trays, and double-sided combs
- Gel box connects directly to power supply, with 3 preset voltages to pick from (35V, 50V, 100V), and a 99 minute timer
- Gel casting can be performed without the use of clamps or spacers
- Clear lid is vented to release heat generated during electrophoresis



Cat. No.	Description	UOM
ES51300	MyGel™ Mini Electrophoresis System	Each

Agarose

- High-purity, free from organic solvents
- Enhanced resolution and clarity
- Low EEO and increased electrophoretic mobility
- RNase, DNase, and Protease free



Cat. No.	Description	UOM
ES48801	Agarose, 25 grams	Each
ES48804	Agarose, 100 grams	Each
ES48807	Agarose, 500 grams	Each

Agarose Tablets, 0.5 g

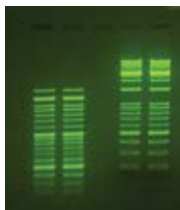
- Eliminates the need to weigh agarose
- Dissolve quickly, within 2 minutes
- Low EEO, standard molecular biology grade
- Consistent reproducible gels
- Free from organic solvents



Cat. No.	Description	UOM
ES48800	Agarose Tablets, 0.5 grams	200/pack
ES48802	Agarose Tablets, 0.5 grams	1000/pack

SmartGlow™ Nucleic Acid Stain

- Replaces hazardous Ethidium Bromide (EtBr)
- For use with double-stranded DNA, single-stranded DNA, and RNA
- Bands easily made visible under UV or blue light
- Available as a Pre Stain (add to gel), 20,000X concentration and as a Loading Dye (add to DNA sample), 6X concentration



Markers dyed with
SmartGlow™ Loading Dye

Cat. No.	Description	UOM
ES51772	SmartGlow™ Pre Stain (20,000X), 1 mL	Each
ES51774	SmartGlow™ Loading Dye (6X), 1 mL	Each

Gel Loading Pipet Tips

- Fit all major pipettors
- Wide sealing area to fit older pipettor barrels
- Includes 30 mm long, thin capillary sections for use in nuclease acid sequencing
- Fits between gel pates to allow you to accurately fill in between the teeth of the gel comb
- Made of clear polypropylene

Cat. No.	Description	UOM
ES81600G	200 µL capillary tip for gel loading, racked	96/RK, 6 RK/PK
ES81600G-S	200 µL capillary tip for gel loading, racked, sterile	96/RK, 6 RK/PK

SmartDoc™ Gel Imaging System

- Economical alternative to traditional gel imaging systems, for quality images of gels for records and analysis
- For use with UV or blue light transilluminators
- Just lay smart phone/tablet on non-slip rubber pad and align the camera lens over the filter. Platform can be raised and lowered to adjust the focus and image size.

Uses your smart
phone or tablet and
share easily!



Cat. No.	Description	UOM
ES59700	SmartDoc™ Gel Imaging System	Each
ES59701	SmartDoc™ Gel Imaging System, with blue light illumination	Each
ES59703	UV Blocking Mat	Each
ES59706	535nm Narrow Band Pass Filter Cassette for SmartDoc™	Each
ES59707	590nm Narrow Band Pass Filter Cassette for SmartDoc™	Each



Microtube Homogenizers

Cat. No.	ES59461	ES59463	ES59461-24
Description	3-Place Microtube Homogenizer	6-Place Microtube Homogenizer	24-Place Microtube Homogenizer
Speed Range	2,800 to 4,000 rpm	4.0 to 7.0 m/s (0.05 m/s increments)	4.0 to 7.0 m/s (0.05 m/s increments)
Capacity	3 x 2.0 mL (non-skirted)	6 x 2.0ml or 2 x 5.0ml* <i>Requires 5ml adapters, sold separately</i>	24 x 0.2 mL tubes or 6 x 5 mL
Dimension	6.9"W x 8.3"D x 5.3"H	8.6"W x 14"D x 8"H	11"W x 14.2"D x 15.2"H
Weight	5 lbs	20 lbs	55 lbs
Cycle Time	-	1 to 90 sec. (up to 90 sec.)	1 to 90 sec. (up to 90 sec.)
Pauses Between Cycles	-	0 to 2 min. (1 sec. increments)	0 to 2 min. (1 sec. increments)
Max # of Cycles, Per Program:	-	10	10
Accel. / Decel. Time:	-	<2 sec. / <2 sec.	<2 sec. / <2 sec.
Program memory	-	last programmed parameters remain in memory for repeated runs	up to 50

Prefilled Homogenizer Tubes

- Each prefilled tube kit includes 2.0 mL screw top tubes with cap, sealing rings, and beads (detailed below)
- The high impact zirconium beads are acid washed, heat treated, and ideal for molecular biology applications
- A starter kit (ES59465K) is available to accommodate a range of samples



Cat. No.	Description	UOM
ES59464-01	Standard Glass Beads, 0.1 mm diameter	50/pack
ES59464-05	Standard Glass Beads, 0.5 mm diameter	50/pack
ES59464-10	Standard Glass Beads, 1.0 mm diameter	50/pack
ES59465-01	High Impact Zirconium Beads, 0.1 mm diameter	50/pack
ES59465-05	High Impact Zirconium Beads, 0.5 mm diameter	50/pack
ES59465-10	High Impact Zirconium Beads, 1.0 mm diameter	50/pack
ES59465-15	High Impact Zirconium Beads, 1.5 mm diameter	50/pack
ES59465-30	High Impact Zirconium Beads, 3.0 mm diameter	50/pack
ES59465K	Starter Kit, high impact zirconium beads, 0.1-3.0 mm	10/case
ES59466-28	Stainless Steel Beads, 2.8 mm diameter	50/pack
ES59469-2T	Empty Tubes, 2.0 mL	1000/pack

	Bead Material	Silica			Zirconium					Steel
		0.1mm	0.5mm	1.0mm	0.1mm	0.5mm	1.0mm	1.5mm	3.0mm	
Animal	Adipose							X		
	Artery							X	X	
	Bone									X
	Brain							X	X	
	Insect - Fly								X	X
	Insect - Tick								X	X
	Insect - Mosquito						X	X	X	
	Gonad							X	X	
	Hair								X	X
	Heart							X	X	
	Kidney							X		
	Liver							X	X	
	Lung							X	X	
	Muscle								X	X
	Pancreas							X	X	
	Skin								X	
Microbial	Algae		X			X				
	Bacteria	X	X		X	X				
	Fungi		X	X		X	X			
	Mold		X			X				
	Spores		X	X		X	X			
	Yeast		X	X		X	X			
Plant & Soil	Leaves								X	X
	Nuts									X
	Plant, soft tissue								X	X
	Plant, tough tissue								X	X
	Seeds								X	X
	Stems								X	X
	Soil							X		
Fecal	Coral									X
	Stool							X		
	Scat								X	X

Pristine™ HPLC & LC-MS Grade Reagents

HPLC Reagents

- ACS Certified
- Low UV absorbance, High GC assay
- Low water content and residue after evaporation
- Packaged with Nitrogen & Sub-micron filtered

LC-MS Reagents

- No LC-MS TIC signals higher than 100ppb Reserpine
- No LC-MS TIC signals higher than
50PPB Reserpine (ESI + mode)
50PPB 4-Nitrophenol (ESI - mode)
- Very low metal concentration (<100ppb)
- Low Particles

Actual Lot Analysis
printed on every label

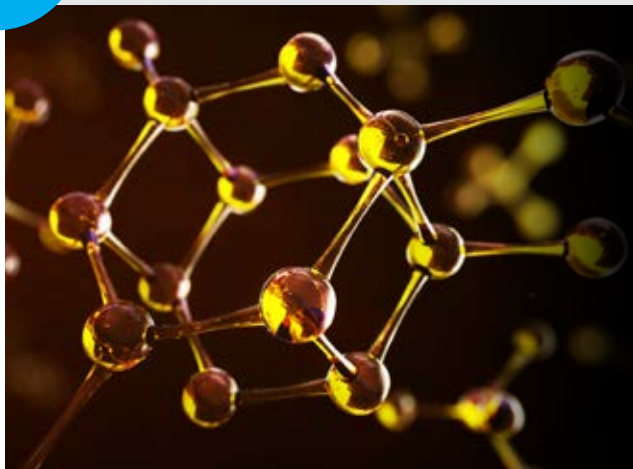
	HPLC	LC-MS	
Description	Cat. No.	Cat. No.	UOM
Acetonitrile	-	1930-1	1 Liter, 6/case
	-	1930-3	2.5 Liter, 4/case
	1910-5	1930-5	4 Liter, 4/case
Methanol	-	1935-1	1 Liter, 6/case
	-	1935-3	2.5 Liter, 4/case
	1915-5	1935-5	4 Liter, 4/case
Water	-	1939-1	1 Liter, 6/case
	-	1939-3	2.5 Liter, 4/case
	1919-5	1939-5	4 Liter, 4/case
Isopropyl Alcohol	1914-5	-	4 Liter, 4/case
Dichloromethane	1913-5	-	4 Liter, 4/case
N-Hexane 95%	1916-5	-	4 Liter, 4/case
* Acetone	1911-5	-	4 Liter, 4/case
* Chloroform	1912-5	-	4 Liter, 4/case
* Tetrahydrofuran with BHT	1917-5	-	4 Liter, 4/case
* Tetrahydrofuran	1918-5	-	4 Liter, 4/case
* N-Heptane	1920-5	-	4 Liter, 4/case

* Coming soon!



NEW!

High Quality Chemicals | Lab/Reagent & ACS grade



All popular chemicals such as:

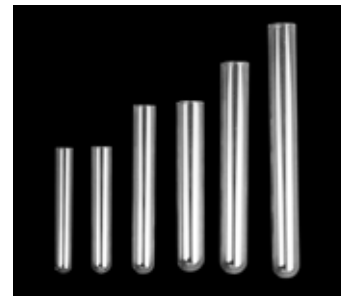
- Acetone
- Buffer solutions
- Calcium hydroxide
- Copper II chloride
- Hydrochloric acid
- Hydrogen peroxide
- Magnesium sulfate
- Methylene blue
- Nitric acid
- Sulfuric acid
- ...And much more!



Glass Test Tubes

- Chemically inert tubes made from borosilicate glass
- Tubes have well-rounded bottoms and smooth, fire-polished rims
- Rigidly controlled dimension specifications for consistent results
- Boxes are designed to fit into most test tube dispensers
- Tubes are specially packaged to keep them particle free and prevent breakage

Cat. No.	Description	UOM
ES82756	Test tube, borosilicate glass, 10 x 75mm, 3mL volume	250/pack, 1000/case
ES82706	Test tube, borosilicate glass, 12 x 75mm, 5 mL volume	250/pack, 1000/case
ES82716	Test tube, borosilicate glass, 13 x 100mm, 7 mL volume	250/pack, 1000/case
ES82766	Test tube, borosilicate glass, 16 x 100mm, 10 mL volume	250/pack, 1000/case
ES82786	Test tube, borosilicate glass, 16 x 125mm, 14 mL volume	250/pack, 1000/case
ES82790	Test tube, borosilicate glass, 16 x 150mm, 16 mL volume	250/pack, 1000/case
ES82792	Test tube, borosilicate glass, 18 x 150mm, 25 mL volume	100/pack, 600/case



SafeShip™ Packaging

1. Double-wall cardboard for enhanced durability.
2. A double-wall tray on the top & bottom tightly secures the internal boxes.
3. Tubes are oriented vertically so they do not grind together.
4. Dividers and liners prevent internal boxes from shifting.



Culture Tubes with Snap Caps

- Polypropylene (PP) tubes can withstand 3000 RPM and are autoclavable and freezable
- Dual position snap caps provide either aerobic or anaerobic storage of samples
- Leave the dual position snap cap in the loose position for aerobic work and in the sealed position for anaerobic cultures



Cat. No.	Description	UOM
ES82100-DPS	Culture tube, PP, 12 x 75 mm, (5mL), snap cap, sterile	25/bag, 20 bags/case
ES3434WC	Culture tube, PS, 12 x 75 mm, (5mL), snap cap, sterile	25/bag, 20 bags/case
ES82191-DPS	Culture tube, PP, 17 x 100 mm (14 mL), snap cap, sterile	25/bag, 20 bags/case
ES82091-DPS	Culture tube, PS, 17 x 100 mm (14 mL), snap cap, sterile	25/bag, 20 bags/case

Petri Dishes

STERILE



Cat. No.	Size	Sterility	Type	Features	UOM
ES3535	35 x 10 mm	Sterile	-	Mini plate	20/sleeve, 500/case
ES3512	60 x 15 mm	Sterile	Slipable	Vented for aerobic use	20/sleeve, 500/case
ES3505	60 x 15 mm	Sterile	Fully stackable	Vented for aerobic use	20/sleeve, 500/case
ES3515	60 x 15 mm	Sterile	Semi-stackable	Vented for aerobic use	20/sleeve, 500/case
ES3510	60 x 15 mm	Sterile	Slipable	Non-vented for anaerobic use	20/sleeve, 500/case
ES3501	100 x 15 mm	Sterile	Slipable	Mono plate	20/sleeve, 500/case
ES3521	100 x 20 mm	Sterile	Fully stackable	Mono plate, "Deep" Style	16/sleeve, 400/case
ES3527	100 mm (Square)	Sterile	-	Square plate, with grid	20/sleeve, 500/case
ES3525	150 x 15 mm	Sterile	-	Mono plate, "Jumbo" Style	20/sleeve, 100/case

Sapphire Cell Culture Dishes

- Made of high clarity polystyrene
- Vacuum plasma TC treated surfaces
- Flat, transparent surface for distortion-free observation
- Sterilized by E-Beam, non-pyrogenic



Cat. No.	Description	UOM
ES56261	Culture Dish, 35 x 15 mm	500/case
ES56263	Culture Dish, 60 x 15 mm	500/case
ES56265	Culture Dish, 100 x 20 mm	5/pack, 300/case
ES56269	Culture Dish, 100 x 20 mm	20/pack, 300/case
ES56268	Culture Dish, 150 x 15 mm	100/case

Sapphire Cell Culture Plates

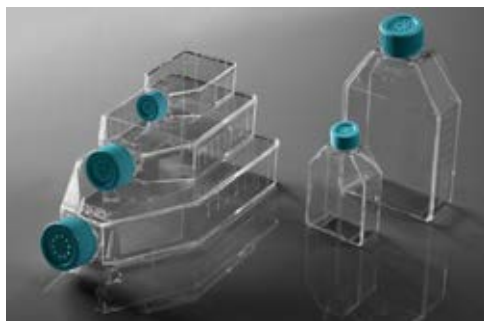
- Made of high clarity polystyrene
- Thin wall design to reduce edge effect
- Vacuum plasma TC treatment
- Specially designed lid ensures low evaporation
- Sterilized by E-Beam and individually wrapped



Cat. No.	Description	UOM
ES56110	Cell Culture Plate, 6 well	50/case
ES56111	Cell Culture Plate, 12 well	50/case
ES56112	Cell Culture Plate, 24 well	50/case
ES56113	Cell Culture Plate, 48 well	50/case
ES56114	Cell Culture Plate, 96 well	100/case

Sapphire Cell Culture Flasks

- Made of high clarity polystyrene
- Vacuum plasma TC treated surface
- Canted neck design for easy access
- Vent cap with 0.22 μ m hydrophobic filters
- Flasks are stackable for easy storage
- Sterilized by E-Beam, packaged in resealable bags



Cat. No.	Description	UOM
ES56325	25 cm ² flask w/vent cap	200/case
ES56345	75 cm ² flask w/vent cap	100/case
ES56335	175 cm ² flask w/vent cap	40/case
ES56355	225 cm ² flask w/vent cap	25/case

Sapphire Cell Culture Towers

- Made of high clarity polystyrene
- Vacuum plasma TC treated surface
- Feature wide mouth openings with vented caps
- Sterilized by E-Beam and individually packaged



Culture Areas:

- 1 chamber (647 cm²)
- 2 chamber (1279 cm²)
- 5 chamber (3175 cm²)
- 10 chamber (6335 cm²)

Cat. No.	Description	UOM
ES56651	1 Chamber, wide mouth	8/case
ES56653	2 Chamber, wide mouth	8/case
ES56655	5 Chamber, wide mouth	4/case
ES56657	10 Chamber, wide mouth	6/case



Glass Bottom Cell Culture Dishes

- Ideal for use with confocal microscopes, high resolution microscopes, Differential Interference Contrast Microscopes, Polarized Light Microscopes and Phase Contrast Microscopes for cell observation
- Can be used for observation of live cells
- Special bottom design for easy grip
- High optical grade cover glass, cover glass thickness: 0.16-0.19 mm
- Round cover glass insert for good appearance
- **Dimensions:** 25 x 18 x 14.5 cm (10" x 7" x 5.7")

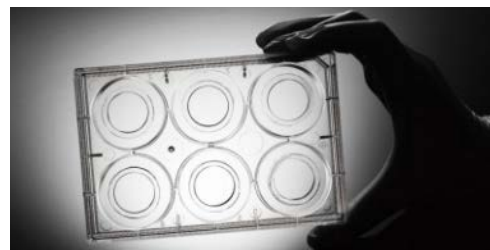


Cat. No.	Description	UOM
ES56291	35 mm dish, 15 mm glass bottom, treated, sterile	10/pack, 200/case
ES56292	35 mm dish, 20 mm glass bottom, treated, sterile	10/pack, 200/case

Glass Bottom Cell Culture Plates

Ideal for use with confocal microscopes, high resolution microscopes, Differential Interference Contrast Microscopes, Polarized Light Microscopes and Phase Contrast Microscopes for cell observation

- Can be used for observation of live cells
- Special bottom design for easy grip
- High optical grade cover glass, cover glass thickness: 0.16-0.19 mm
- Round cover glass insert for good appearance
- Individually wrapped
- **Dimensions:** 13 x 18 x 12 cm (12" x 7" x 4.5")



Cat. No.	Description	UOM
ES56190	6 Well Cell Culture Plate, 20 mm glass bottom, sterile	10/case
ES56192	24 Well Cell Culture Plate, 10 mm glass bottom, sterile	10/case



Circle Cover Glasses

- Made of pure white borosilicate glass of the finest hydrolytic class
- Excellent chemical resistance and flatness
- Absolutely colorless, suitable for all applications

Cat. No.	Description	UOM
200121	Cover glass, no. 1, circle, 12 mm	100/pack, 10 packs/case
200181	Cover glass, no.1, circle, 18 mm	100/pack, 10 packs/case



Culture Chamber Slides

- Ideal for microscopic observation of cells
- Culture surface is naturally charged, creating an ideal growth surface for adherent cells
- Alphanumeric markings to aid in sample identification
- Chambers can easily be removed for cell growth directly on the slide



Dimensions:

1 well: 9.40 cm², 2.5 - 5.5 mL
 2 well: 4.55 cm², 1.2 - 2.5 mL
 4 well: 2.13 cm², 0.5 - 1.3 mL
 8 well: 0.98 cm², 0.2 - 0.6 mL

Color	1 Well	2 Well	4 Well	8 Well	UOM
Clear	ES56411	ES56413	ES56415	ES56417	6/pack, 2 packs/case
White	ES56431	ES56433	ES56435	ES56437	6/pack, 2 packs/case
Black	ES56451	ES56453	ES56455	ES56457	6/pack, 2 packs/case

Cell Strainers

A fast and easy-to-use solution for detaching, isolating and straining cells from clusters and tissues. A polypropylene frame supports a nylon mesh that is available in three color-coded porosities: 40 μm (blue), 70 μm (white), and 100 μm (yellow). A tiered filtration process is made possible by the unique interlocking stackable design.

Cat. No.	Description	UOM
ES56953	40 μm cell strainer, blue, individually wrapped, w/ 1 reducing adapter, sterile	50/case
ES56956	70 μm cell strainer, white, individually wrapped, w/ 1 reducing adapter, sterile	50/case
ES56958	100 μm cell strainer, yellow, individually wrapped, w/ 1 reducing adapter, sterile	50/case
ES56959	Reducing adapters for use with 15 mL tubes, sterile	25/case

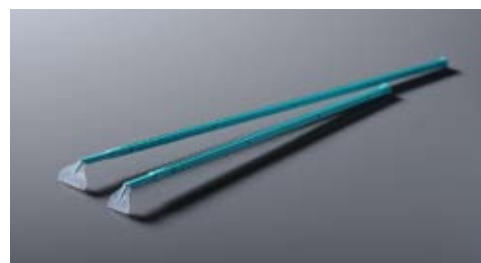


Sapphire Cell Scraper

Specially designed cell scrapers can be used to scrape and collect cells easily and effectively for subculture or analysis. Slight pressure on the handle allows you to change the blade angle. Push down and rotate the handle to guide the blade in the right direction.

- Flexible rotating blade
- Sterilized by E-beam, easy-tear packaging

Cat. No.	Description	UOM
ES56948	Cell scraper, handle 220 mm, blade 13 mm, sterile	100/pack
ES56949	Cell scraper, handle 280 mm, blade 20 mm, sterile	100/pack



Filter Systems, with PES Filter Material

- Angled hose barb adapter fits 3 hose diameters and increases unit stability
- Polyethersulfone (PES) membrane for high flow and low binding
- Filter systems include bottle top filter and solution bottle with cap
- Sterile and individually packaged

.22 μm	.45 μm		
Cat. No.	Cat. No.	Description	UOM
ES56521	ES56541	150 mL filter system, PES, 50 mm, sterile	12/case
ES56523	ES56543	250 mL filter system, PES, 50 mm, sterile	12/case
ES56525	ES56545	500 mL filter system, PES, 75 mm, sterile	12/case
ES56527	ES56547	1000 mL filter system, PES, 90 mm, sterile	12/case



Centrifuge Tube Filter Systems

- Eliminate a sample transfer step by filtering directly into a 50mL tube
- PES membrane for high flow and low binding
- Two membrane pore sizes available: 0.22 or 0.45 μm
- Include tube filter, centrifuge tube, cap
- Sterile and individually packaged
- 1 Centrifuge Tube Stand included with each case of Centrifuge Tube Filter Systems

Cat. No.	Description	UOM
ES56520	50 mL centrifuge tube filter, PES, 0.22 μm , sterile	12/case
ES56540	50 mL centrifuge tube filter, PES, 0.45 μm , sterile	12/case





Syringe Filters

- Available in a variety of membrane types, porosities and diameters
- Color coded for easy identification
- All syringe filters have luer-lock connections with polypropylene housings
- Filters are molded in the housings, providing a reliable seal without the use of adhesives
- Individually packed in peel-to-open paper/plastic blister packs
- Supplied sterile (gamma irradiated) *MCE supplied Ethylene Oxide sterilized (EtO)



PES (Polyethersulfone) – Green

Low affinity for proteins and extractables

- Faster flow rate than PVDF
- Pre-filtration and filtration of buffers and culture media
- Available in three pore sizes including 0.10µm for mycoplasma removal

PVDF (Polyvinylidene) – Blue

Low protein-binding for filtration of non-aggressive aqueous and mild organic solutions

- Maximizes protein recovery
- High temperature filtration
-

MCE (Mixed Cellulose Ester) – Yellow

Filtration of aqueous solutions

- Effectively binds trace proteins
- Oil particulates and bacteria filtration

NYLON – Pink

Universal application for analytical procedures

- Chemical filtration
- Beverage filtration

PTFE (Polytetrafluoroethylene) – White

Hydrophobic membrane has great temperature resistance

- Degassing/clarifying aqueous samples
- Strong acid solvent filtration
- Alkali solvent filtration

CA (Cellulose Acetate) – Red

Low Protein binding, reduced extractables and low hold-up volume

- Filtration of aqueous solutions such as buffers, media and reagents
- HPLC

SFCA (Surfactant Free Cellulose Acetate) – Dark Blue

Similar uses to CA but contains no pre-wetting agents; Lower extractables

- Pre-filtration of heavily contaminated aqueous solvent based samples
- Extends membrane life when filtering viscous solutions

GF (Glass Fiber) – Natural

Can be used as preliminary filtering step and for solution clarification without clogging

- Coarse particulate removal
- Pre-filtration

PES				PVDF				MCE			
Cat. No.	Pore Size	Diameter	UOM	Cat. No.	Pore Size	Diameter	UOM	Cat. No.	Pore Size	Diameter	UOM
ES58632	0.10 µm	30mm	30/pack	ES58611	0.10 µm	13mm	75/pack	ES56551	0.22 µm	13mm	75/pack
ES58634	0.22 µm	13mm	75/pack	ES58612	0.10 µm	30mm	30/pack	ES56552	0.22 µm	30mm	30/pack
ES58635	0.22 µm	30mm	30/pack	ES58614	0.22 µm	13mm	75/pack	ES56555	0.45 µm	13mm	75/pack
ES58637	0.45 µm	13 mm	75/pack	ES58615	0.22 µm	30mm	30/pack	ES56556	0.45 µm	30mm	30/pack
ES58638	0.45 µm	30 mm	30/pack	ES58617	0.45 µm	13 mm	75/pack	-	-	-	-
-	-	-	-	ES58618	0.45 µm	30 mm	30/pack	-	-	-	-

Nylon				PTFE				CA			
Cat. No.	Pore Size	Diameter	UOM	Cat. No.	Pore Size	Diameter	UOM	Cat. No.	Pore Size	Diameter	UOM
ES58654	0.22 µm	13mm	75/pack	ES58674	0.22 µm	13mm	75/pack	ES58685	0.22 µm	30mm	30/pack
ES58655	0.22 µm	30mm	30/pack	ES58675	0.22 µm	30mm	30/pack	ES58688	0.45 µm	30mm	30/pack
ES58657	0.45 µm	13mm	75/pack	ES58677	0.45 µm	13mm	75/pack	ES58689	0.80 µm	30mm	30/pack
ES58658	0.45 µm	30mm	30/pack	ES58678	0.45 µm	30mm	30/pack	-	-	-	-

SFCA				GF			
Cat. No.	Pore Size	Diameter	UOM	Cat. No.	Pore Size	Diameter	UOM
ES58698	0.45 µm	30 mm	30/pack	ES58640	1.1µm	30mm	30/pack
ES58695	0.22 µm	30mm	30/pack	-	-	-	-

Sapphire[®] Serological Pipettes

- Sterile, plugged, and individually wrapped
- Calibrated "to deliver"
- Filter plug made of breathable polyester fiber that creates a better liquid barrier than cotton

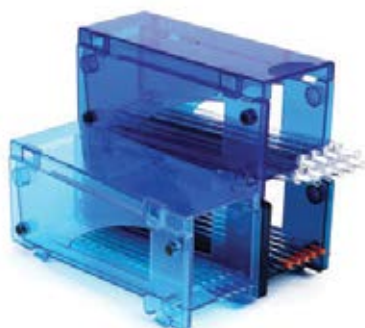


Cat. No.	Description	UOM
ES81019	1 mL Pipette, graduated, yellow	1000/box
ES81029	2 mL Pipette, graduated, green	800/box
ES81039	5 mL Pipette, graduated, blue	300/box
ES81049	10 mL Pipette, graduated, red	200/box
ES81059	25 mL Pipette, graduated, purple	200/box
ES81069	50 mL Pipette, graduated, black	100/box



Serological Pipette Storage Rack

- Snap together to allow for customizable configurations
- Magnets on both sides of each unit connect securely and safely to metal surfaces, such as filing cabinets, fume hoods, and freezers
- Angled shelves store 0.1 to 50 mL pipettes
- Protective cover helps prevent dust build-up



Cat. No.	Description	UOM
ES81095	Serological Pipette Rack	3/pack

AzerPette[™] Automated Pipette Filler

- Lightweight design with attached kickstand
- Variable speed control
- Cordless and rechargeable, with up to 8 hours of continuous operation
- For pipettes from 1 to 100 mL



Cat. No.	Description	UOM
ES81098	AzerPette [™] Automated Pipette Filler	Each

Azer Serological Pipette Controller

- Convenient alternative to a traditional bulb pipette
- Toggle switch allows for precise liquid siphoning and dispensing

Cat. No.	Description	UOM
ES81090B	Pipette Controller, blue	Each
ES81090G	Pipette Controller, green	Each
ES81090P	Pipette Controller, pink	Each
ES81090Y	Pipette Controller, yellow	Each
ES81090R	Pipette Controller, red	Each





Cryogenic Vials

Made of pure polypropylene material. Can be safely used at temperatures from -196°C to +120°C. Fast 1¼ turn thread design, for single-handed cap removal. Round bottom vials can be centrifuged up to 17,000g. Sterilized by gamma radiation and packaged in tamperproof, resealable, safety-lock bags. 95kPa tested for safe shipping

Packaging: 100/bag, 1000/case



External Thread Design with Lip Seal

Cat. No.	ES4200	ES4201	ES4202	ES4203	ES4204	ES4205
Volume:	1.2 mL	2 mL	2 mL	3 mL	4 mL	5 mL
Size (mm):	12.5 x 42	12.5 x 47	12.5 x 49	12.5 x 71	12.5 x 77	12.5 x 91
Self-Standing:	x	x		x	x	x
Round Bottom:			x			



External Thread

External Thread Design with Silicone Washer Seal

Cat. No.	ES4222	ES4223	ES4224	ES4225	ES4226	ES4227
Volume:	1.2 mL	2 mL	2 mL	3 mL	4 mL	5 mL
Size (mm):	12.5 x 42	12.5 x 49	12.5 x 49	12.5 x 71	12.5 x 77	12.5 x 91
Self-Standing:	x	x		x	x	x
Round Bottom:			x			



Internal Thread

Internal Thread Design with Silicone Washer Seal

Cat. No.	ES4210	ES4211	ES4212	ES4213	ES4214	ES4215
Volume:	1.2 mL	2 mL	2 mL	4 mL	4 mL	5 mL
Size (mm):	12.5 x 41	12.5 x 49	12.5 x 48	12.5 x 70	12.5 x 72	12.5 x 90
Self-Standing:	x	x			x	
Round Bottom:			x	x		x



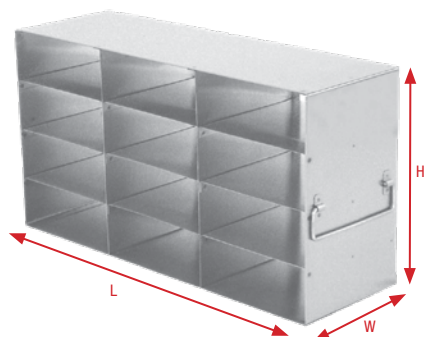
Cap Insert for Cryogenic Vials

Cat. No. ES4294(X) | UOM 500/bag

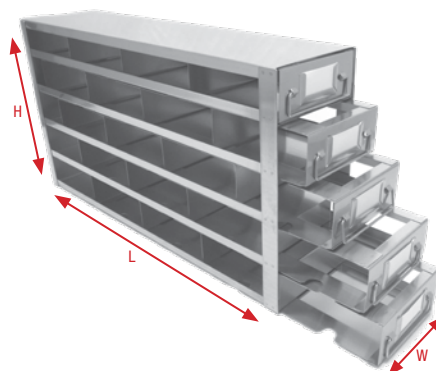
X = Color Choice

White (W), Blue (BU), Red (R), Green (GN), Yellow (Y), Tan (TN), Gray (GY), Orange (O), Violet (V), Pink (P)
Assorted (AS) = 100 of each: White, Blue, Red, Green, Yellow

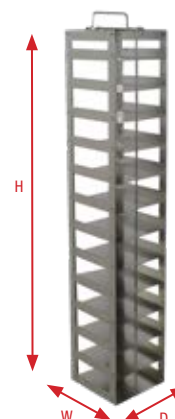
Upright Freezer Racks



Upright Freezer Drawer Racks



Vertical Racks for Chest Freezers/LN2 Tanks



Popular Cryo. Freezer Racks

Cat. No.	Dimensions	Capacity
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2" Boxes | Upright Freezer Racks

ES54500	16 $\frac{1}{16}$ × 6 $\frac{1}{8}$ × 5 $\frac{1}{2}$ "	415 × 168 × 140 mm 3x3= 9
ES54506	16 $\frac{1}{16}$ × 8 $\frac{1}{8}$ × 5 $\frac{1}{2}$ "	415 × 225 × 140 mm 3x4= 12
ES54503	21 $\frac{1}{8}$ × 8 $\frac{1}{8}$ × 5 $\frac{1}{2}$ "	550 × 225 × 140 mm 4x4= 16
ES54504	21 $\frac{1}{8}$ × 11 × 5 $\frac{1}{2}$ "	550 × 280 × 140 mm 4x5= 20
ES54505	26 $\frac{3}{4}$ × 8 $\frac{1}{8}$ × 5 $\frac{1}{2}$ "	679 × 225 × 140 mm 5x4= 20

2" Boxes | Upright Freezer Drawer Racks

ES54500-DR	16 $\frac{1}{2}$ × 7 $\frac{1}{8}$ × 5 $\frac{1}{2}$ "	419×181×140 mm 3x3= 9
ES54506-DR	16 $\frac{1}{2}$ × 9 $\frac{7}{16}$ × 5 $\frac{1}{2}$ "	419×240×140 mm 3x4= 12
ES54503-DR	22 × 9 $\frac{7}{16}$ × 5 $\frac{1}{2}$ "	559×240×140 mm 4x4= 16
ES54504-DR	22 × 11 $\frac{1}{16}$ × 5 $\frac{1}{2}$ "	559×300×140 mm 4x5= 20
ES54505-DR	26 $\frac{3}{4}$ × 9 $\frac{7}{16}$ × 5 $\frac{1}{2}$ "	680×240×140 mm 5x4= 20

2" Boxes | Vertical Racks for Chest Freezers/LN2 Tanks

ES54513	22 $\frac{1}{16}$ × 5 $\frac{1}{8}$ × 5 $\frac{1}{2}$ "	560×143×140mm 1x10= 10
ES54515	26 $\frac{3}{8}$ × 5 $\frac{1}{8}$ × 5 $\frac{1}{2}$ "	670×143×140mm 1x12= 12
ES54516	28 $\frac{9}{16}$ × 5 $\frac{1}{8}$ × 5 $\frac{1}{2}$ "	726×143×140mm 1x13= 13

3" Boxes | Upright Freezer Racks

ES54522	21 $\frac{1}{8}$ × 9 $\frac{3}{8}$ × 5 $\frac{1}{2}$ "	550×238×140 mm 4x3= 12
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15 & 50mL Tubes | Upright Freezer Racks

ES54564-60	16 $\frac{1}{2}$ × 4 $\frac{1}{16}$ × 5 $\frac{1}{2}$ "	419×126×140 mm 60 Tubes (15ml)
ES54564-120	16 $\frac{1}{2}$ × 9 $\frac{1}{16}$ × 5 $\frac{1}{2}$ "	419×252×140 mm 120 Tubes (15ml)
ES54565-60	16 $\frac{1}{2}$ × 9 $\frac{1}{16}$ × 5 $\frac{1}{2}$ "	419×252×140 mm 60 Tubes (50ml)
ES54565-78	22 × 9 $\frac{1}{16}$ × 5 $\frac{1}{2}$ "	559×252×140 mm 78 Tubes (50ml)

15 & 50 mL Tubes | Vertical Rack for Chest Freezers & LN2

ES54572-5	25 $\frac{1}{16}$ × 6 × 6 $\frac{1}{8}$ "	637×153×157mm 5
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96 & 384-Well Microtiter Plates | Upright Freezer Racks

ES54562-70	18 $\frac{3}{8}$ × 9 $\frac{3}{16}$ × 5 $\frac{1}{2}$ "	466×233×140mm 70 Plates w/lids 80 Plates w/o lids
ES54562-80	18 $\frac{3}{8}$ × 11 × 5 $\frac{1}{2}$ "	466×280×140mm 80 Plates w/lids 100 Plates w/o lids

100-Cell Hinged Top Plastic Storage Boxes | Vertical Freezer Racks

ES54574-10	23 $\frac{1}{16}$ × 5 $\frac{1}{8}$ × 6 $\frac{1}{4}$ "	586×149×159mm 1x10= 10
ES54574-11	25 $\frac{1}{8}$ × 5 $\frac{1}{8}$ × 6 $\frac{1}{4}$ "	644×149×159mm 1x11= 11

Cryogenic Storage Boxes

- Cardboard with drain-holes
- Water resistant surface
- **2" Box Dimensions:** 5.25 x 5.25 x 2"
- **3" Box Dimensions:** 5.25 x 5.25 x 3"
- **UOM:** EACH



2" Box	3" Box	
Cat. No.	Cat. No.	Cells
ES54781	ES54782	No divider
ES54781-16	ES54782-16	16-cell divider
ES54781-28	ES54782-28	25-cell divider
ES54781-36	ES54782-36	36-cell divider
ES54781-49	ES54782-49	49-cell divider
ES54781-64	ES54782-64	64-cell divider
ES54781-81	ES54782-81	81-cell divider
ES54781-100	ES54782-100	100-cell divider
ES54781-144	ES54782-144	144-cell divider

Specialty Size Storage Boxes

Cat. No.	Description	Dimensions	Cells
ES54784	2" Mini box	3 x 3 x 2"	No divider
ES54784-25	2" Mini box	3 x 3 x 2"	25-cell divider
ES54785	3" Mini box	3 x 3 x 3"	No divider
ES54785-25	3" Mini box	3 x 3 x 3"	25-cell divider
ES54788	4 $\frac{3}{4}$ " box	5 $\frac{1}{4}$ × 5 $\frac{1}{4}$ × 4 $\frac{3}{4}$ "	No divider
ES54788-15	4 $\frac{3}{4}$ " For 15mL conical tubes	5 $\frac{1}{4}$ × 5 $\frac{1}{4}$ × 4 $\frac{3}{4}$ "	36-cell divider
ES54788-50	4 $\frac{3}{4}$ " For 50mL conical tubes	5 $\frac{1}{4}$ × 5 $\frac{1}{4}$ × 4 $\frac{3}{4}$ "	16-cell divider

Contact Info@AzerSci.com for more rack styles and sizes.

See Page 28 for our selection of
Ultra Low Temperature Freezers





Robotic Tips

- High concentricity and fitting accuracy
- Provide high precision with low residual moisture
- Manufactured under clean-room conditions
- Free of DNase, RNase, ATP, and pyrogens
- Made from pure Polypropylene (PP)
- Produced under clean room conditions
- Each lot of tips is tested according to a strict quality management system to ensure reproducible results in the lab

blackKnights

blackKnights is our line of conductive tips for use on automated liquid handling systems. The conductivity enables the system to recognize the filling height and will guarantee a minimal immersion of the tip into the liquid.

clearKnights

clearKnights is our line of clear tips for use on automated liquid handling systems. For known liquid levels, the high clarity of the tips allows for observation of samples during the pipetting process.

Hamilton | blackKnights

Compatible with: Microlab Star™, Nimbus®, and Vantage™



Packaging	10 µL	UOM	50 µL	UOM	300 µL	UOM	1000 µL	UOM
Stacked In Racks	ES49011-0004	7680/CS	ES49010-0005	3840/CS	ES49008-0005	3840/CS	x	x
Tray, Blister 5-Pack	x	x	ES49010-0004	7680/CS	ES49008-0004	7680/CS	ES49009-0004	4800/CS
Tray, Filter, Blister 5-Pack	x	x	ES49010-0104	7680/CS	ES49008-0104	7680/CS	ES49009-0104	4800/CS
Tray, Blister 5-Pack, Sterile	x	x	ES49010-1004	7680/CS	ES49008-1004	7680/CS	ES49009-1004	4800/CS
Tray, Filter, Blister 5-Pack, Sterile	x	x	ES49010-1104	7680/CS	ES49008-1104	7680/CS	ES49009-1104	4800/CS

Tecan | blackKnights & clearKnights

Compatible with:

- Tecan: Genesis, Freedom EVO, MiniPrep, Cavo
- Qiagen/Corbett: CAS 1200/4200/4800, QIAgility
- Perkin Elmer (Packard): Multiprobe II, Janus
- Abbott Diagnostic: m2000



Packaging	50 µL	UOM	200 µL	UOM	1000 µL	UOM
blackKnights						
Tray, Dual-Pack	ES49006-0000	17280/CS	ES49002-0000	17280/CS	ES49003-0000	9600/CS
Tray, Blister 2-Pack	x	x	x	x	ES49003-0006	2304/CS
Tray, Filter, Blister 2-Pack, Sterile	ES49006-1106	2304/CS	ES49002-1106	2304/CS	ES49003-1106	2304/CS
Tray, Blister 5-Pack	x	x	x	x	ES49003-0004	4800/CS
Tip Box Compatible (Box Sold Separately)	ES49006-0007	2304/CS	ES49002-0007	2304/CS	ES49003-0007	2304/CS
Filter, Tip Box Compatible (Box Sold Separately)	ES49006-0107	2304/CS	ES49002-0107	2304/CS	ES49003-0107	2304/CS
Tip Box	ES45009-3000	10/PK	ES45009-3000	10/PK	ES45009-2000	5/PK
clearKnights						
Tray, Dual-Pack	x	x	x	x	ES49103-0000	9600/CS
Tray, Filter, Blister 2-Pack, Sterile	x	x	x	x	ES49103-1106	2304/CS

Qiagen | blackKnights

- Abbott Diagnostic: en4lisa
- bioMérieux: DaVinci
- Bio-Rad: Evolis
- Biotest: Quickstep
- Dade Behring (Siemens): BEP 2000 Advance
- DiaSorin: ETI-Max 3000
- Diffchamb: T4U
- Euroimmun: Euroimmun Analyzer
- Grifols: Triturus
- Human: Elisys Quattro
- Qiagen: Biorobot 3000, 8000, 9600, 9604, Biorobot universal
- Stratec: Gemini
- Virion\Serion: Immunomat TWINsystem

Packaging	300 µL	UOM	1100 µL	UOM
Tray, Dual-Pack	ES49000-0000	17280/CS	ES49001-0000	9600/CS
Tray, Filter, Blister 2-Pack, Sterile	ES49000-1106	2304/CS	ES49001-1106	2304/CS

Olympus | blackKnights

- Beckman Coulter: AutoMate 1250/2550
- Olympus: OLA 2500

Packaging	1200 µL	UOM
Rack	ES49044-0000	1120/CS
Rack, Filter	ES49044-0100	1120/CS

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Olympus is a registered trademarks of Olympus America Inc

Sapphire Advance Microplates & Capmats



- Manufactured from virgin polypropylene
- Certified RNase, DNase, and Pyrogen Free
- Automation compatible, with alphanumeric reference
- Ultra-flat surfaces, with raised Well design for improved heat sealing and prevention of cross contamination
- Allows for storage down to -80°C
- These plates are transparent and non-sterile
- Corresponding cap mats are made of silicon and non-sterile



Well-Plates

Cat. No.	Description	Bottom	Size	UOM	Cap Mat
ES53442	96-round well plate	U-bottom	550 µl	10/pack, 10 packs/case	ES53910
ES53461	96-round well plate	U-bottom	1.2 mL	5/pack, 10 packs/case	ES53910
ES53483	96-round well plate	U-bottom	1.3 mL	5/pack, 10 packs/case	ES53931
ES53462	96-round well plate	U-bottom	2 mL	5/pack, 10 packs/case	ES53910
ES53441	96-round well plate	V-bottom	550 µl	10/pack, 10 packs/case	ES53910
ES53482	96-round well plate	V-bottom	600 µl	5/pack, 10 packs/case	ES53933
ES53471	96-square well plate	V-bottom	1 mL	10/pack, 10 packs/case	ES53917
ES53472	96-square well plate	V-bottom	2 mL	5/pack, 10 packs/case	ES53917
ES53474	24-square well plate	U-bottom	10 mL	5/pack, 10 packs/case	ES53914
ES53473	48-square well plate	V-bottom	5 mL	5/pack, 10 packs/case	ES53916
ES53478	384-square well plate	V-bottom	120 µL	5/pack, 10 packs/case	ES53919
ES53479	384-square well plate	V-bottom	240 µL	5/pack, 10 packs/case	ES53919



New!
Sealing Mat with Septa



Advance plates comparable to Corning/Axygen® plates - Axigen® is a registered trademark of Corning Incorporated

Capmats

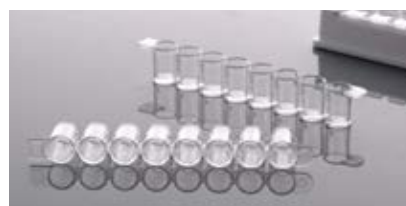
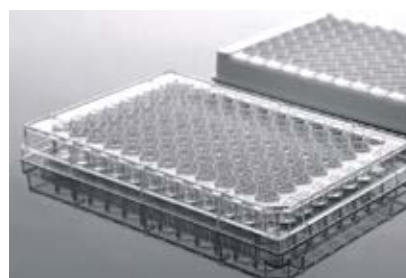
Cat. No.	Description	UOM
ES53910	96-round well cap mat, pierceable ("-" perforation), alphanumeric grid	10/pack, 5 packs/case
ES53931	96-round well cap mat, pierceable ("-" perforation), alphanumeric grid	10/pack, 5 packs/case
ES53933	96-round well cap mat, pierceable ("-" perforation), alphanumeric grid	10/pack, 5 packs/case
ES53917	96-square well cap mat, pierceable ("-" perforation), alphanumeric grid	10/pack, 5 packs/case
ES53914	48-square well cap mat, non-perforated, blank	10/pack, 5 packs/case
ES53916	48-square well cap mat, non-perforated, blank	10/pack, 5 packs/case
ES53919	384-square well cap mat, non-perforated, alphanumeric grid	10/pack, 5 packs/case
ES53939	96-round well sealing mat with septa	10/pack, 5 packs/case

See Page 25 for our selection of
Orbital Microplate Shaker

ELISA Plates | Detachable & Undetachable strips

- Made of PS material
- Designed for ELISA method
- Conforms to SBS/ ANSI
- Flat and transparent bottom
- Excellent well uniformity, CV <5%

Cat. No.	Description	UOM
ES58413	ELISA Plate, high binding, clear	5/pack, 50/case
ES58415	ELISA Plate w/ Detachable strips (1x8 strips), high binding, clear	5/pack, 50/case





Unifrost® Microscope Slides

- Pre-cleaned with smooth, grounded edges
- Made from high-quality, white German glass
- All slides feature one color-frosted end to help prevent jamming in automated systems
- Adhesive slides have a permanent adhesive which firmly anchors all specimen types

Color	Standard	Clipped Corner	Standard (+)	Clipped Corner (+)	UOM
Aqua	EMS200A	EMSC200A	EMS200A+	EMSC200A+	1440/case
Blue	EMS200B	EMSC200B	EMS200B+	EMSC200B+	1440/case
Green	EMS200G	EMSC200G	EMS200G+	EMSC200G+	1440/case
Lilac	EMS200L	EMSC200L	EMS200L+	EMSC200L+	1440/case
Pink	EMS200P	EMSC200P	EMS200P+	EMSC200P+	1440/case
White	EMS200W	EMSC200W	EMS200W+	EMSC200W+	1440/case
Yellow	EMS200Y	EMSC200Y	EMS200Y+	EMSC200Y+	1440/case



Plain & Frosted Microscope Slides

Cat. No.	Description	Dimensions	UOM
23110	Plain Slide	3" x 1" x 1 mm	1440/case
2752510	Plain Slide	75 x 25 x 1 mm	1440/case
2752511	Frosted Slide, single end	75 x 25 x 1 mm	1440/case
2752512	Frosted Slide, double end	75 x 25 x 1 mm	1440/case



Azer-Ink Chemically Resistant Markers

- Ultra-fine tip leaves a permanent mark on slides & cassettes
- Smear-proof, waterproof, and odorless
- Resistant to histology chemicals such as xylene and alcohol

Cat. No.	Description	UOM
ES-001	Azer-Ink, chemically resistant markers	12/box



Cover Glass

- Pure white borosilicate glass of the first hydrolytic class
- Optimized for both manual and automated coverslipping
- Excellent chemical resistance, and optimal flatness
- Packaged 1 oz. per pack and 10 packs per case

Cat. No.	Description	UOM
112450	24 x 50 mm, No. 1	10 oz/case
112460	24 x 60 mm, No. 1	10 oz/case
200121	12 mm circle, No. 1	10 oz/case
200181	18 mm circle, No. 1	10 oz/case



High Precision Cover Glass

- Recommended for objectives with high numerical aperture and resolution
- Exceptionally accurate thickness 170 $\mu\text{m} \pm 5\mu\text{m}$
- Thickness No. 1.5H

Cat. No.	Description	UOM
ES0107032	18 x 18 mm	2000/case
ES0107052	22 x 22 mm	2000/case
ES0107222	24 x 50 mm	1000/case
ES0107242	24 x 60 mm	1000/case
ES0117500	10 mm circle	1000/case
ES0117520	12 mm circle	1000/case
ES0117580	18 mm circle	1000/case

Azer Metal Slide Cabinet

- Each slide cabinet features 6 drawers
- 4,500 standard slide capacity
- Reinforced design and heavy gauge steel makes the cabinet sturdy and stackable
- Rubber compressor blocks are included with each cabinet
- Cabinet measures 15.75" x 18.75" x 4.75"

Our slide cabinet system includes 12 cabinets and one base to allow for safe stacking of units. The slide cabinet system holds up to **54,000 slides** in less than 2 square feet of space.



Description	UOM	Green	Tan
		Cat. No.	Cat. No.
Cabinet, 6 drawer	Each	ES3925G	ES3925T
Cabinet Base	Each	ES3927G	ES3927T
Cabinet System (12 cabinets & 1 base)	Each	ES3926G	ES3926T

Slide Storage Boxes

- Slide storage boxes are available in 25, 50, or 100 slide capacities
- Storage boxes feature a self-locking lid
- Numerical labels for easy identification of slides
- Cork-lined bottom
- Designed for stacking

25 Capacity			50 Capacity			100 Capacity		
Cat. No.	Color	UOM	Cat. No.	Color	UOM	Cat. No.	Color	UOM
ES3249	White	200/case	ES3254	White	100/case	ES3259	White	50/case
ES3250	Blue	200/case	ES3255	Blue	100/case	ES3260	Blue	50/case
ES3251	Green	200/case	ES3256	Green	100/case	ES3261	Green	50/case
ES3252	Red	200/case	ES3257	Red	100/case	ES3262	Red	50/case
ES3253	Yellow	200/case	ES3258	Yellow	100/case	ES3263	Yellow	50/case



Cardboard Slide Folders

- Pop-up cardboard slide folders hold 20 slides
- Each slide location is numbered
- Available with black, blue, green, red, and yellow bindings to aid in organization within the lab
- **Case Packaging:** 72/case

Color	Each	Case
	Cat. No.	Cat. No.
Black Binding	ES020/EACH	ES020/CASE
Blue Binding	ES020-B/EACH	ES020-B
Green Binding	ES020-G/EACH	ES020-G
Red Binding	ES020-R/EACH	ES020-R
Yellow Binding	ES020-Y/EACH	ES020-Y

Cat. No.	Description	UOM
ES020-RK	5-Place Slide Folder Tray Organizer	Each





3-D Rocker



2-D Rocker



3-D Shaker

Rockers & Shakers

Cat. No.	ES3358	ES3357	ES3356	ES3361	ES3359
Description	3-D Rocker	Mini 3-D Rocker	2-D Rocker	3-D Shaker	Mini 3-D Shaker
Included Mat	Flat mat	Flat mat	Flat mat	Dimpled mat	Dimpled mat
Capacity	3.5 lbs/1.6 kg		7 lbs/3.2 kg	3.5 lbs/1.6 kg	
Speed	10 rpm (fixed)		12 rpm (fixed)	24 rpm (fixed)	
Tilt Angle	+/- 8°		+/- 8°	+/- 20°	
Operating Temp.	+4 to +65°C		+4°C to +65°C	+4°C to +65°C	
Dimensions	12" x 12" x 8"	10.5" x 7.5" x 8"	13.5" x 11.8" x 4.7"	12" x 12" x 8"	10.5" x 7.5" x 8"
Weight	4.4 lbs / 2.0kg		6.5 lbs / 3kg	4.4 lbs / 2.0kg	
Electrical	115V, 60Hz		115V, 60Hz	115V, 60Hz	
Usage	Gel blotting, washing, staining			Mixing blood & centrifuge tubes	

Rockers | Variable Speed

Cat. No.	ES59450	ES59452
Description	2-D Rocker	3-D Rocker
Platform Size	14 x 12 in.	12 x 12 in.
Capacity	4.4 lbs/2.0 kg	
Speed	Variable, 2 to 30 rpm	
Tilt Angle	Variable, 0 to 30°	
Operating Temp.	+4 to +45°C	
Dimensions	14 x 12 x 8 in.	
Weight	7.5 lbs / 3.4 kg	
Electrical	115V, 60Hz	
Usage	Gel blotting, washing, staining	



Orbital Microplate Shaker | Variable Speed

Cat. No.	ES59438
Description	Orbital Microplate Shaker
Capacity	Up to 4 microplates
Speed	Variable, 200 to 1500 rpm
Operating Temp.	+4 to +65°C
Dimensions	13.1 x 11.74 x 4.7 in
Weight	12 lbs / 5.5kg
Electrical	100-240V, 60Hz



Mats & Stacking Platforms

Cat. No.	Description	UOM
ES3374	Flat Mat, large, 12" x 12"	Each
ES3375	Dimpled Mat, large, 12" x 12"	Each
ES3379	Flat Mat, small, 10.5" x 7.5"	Each
ES3380	Dimpled Mat, small, 10.5" x 7.5"	Each
ES3372	Platform w/ flat mat, 12" x 12"	Each
ES3378	Platform w/ dimpled mat, 10.5" x 7.5"	Each

Balances

The **Compact** and **Precision** series use Variable Capacitance Technology with gold plated capacitors on ceramic load cell. this reliable technology delivers accurate reading with high repeatability. Both feature external calibration and LCD displays.

The **Analytic** series of balances incorporate Electromagnetic Force Restoration Technology, to deliver unmatched accuracy down to 0.0001g. The analytical models are available with internal calibration (optional) and readability down to 0.0001g. All our balances feature adjustable leveling feet and leveling bubble indicator.

- User Friendly Interface
- Easy in-lab calibration
- RS232 Interface for data output
- Multiple program options:
 - Standard weighing
 - Count/Pieces mode
 - Percent deviation



Compact Balances

Cat. No.	ES59110-120	ES59110-320	ES59110-500	ES59110-1200	ES59110-5000	ES59110-10000
Capacity	120 grams	320 grams	500 grams	1200 grams	5000 grams	10,000 grams
Readability	0.01 grams	0.01 grams	0.01 grams	0.1 grams	0.1 grams	0.1 grams
Pan Size (Round)	11.5mm/4.5in.			16cm/6.3in	18cm / 7 in.	18cm / 7 in.
Draft Shield	Yes, plastic			No		
Weighing Units	gram, ounces					
Measurement Units	carats, pieces, %					
Exterior Dim.	18.8 x 28 x 8 cm 7.5 x 11 x 3.1 in					

Precision Balances

Cat. No.	ES59120-120	ES59120-320	ES59120-500	ES59120-1200	ES59120-3200	ES59120-5000
Capacity	120 grams	320 grams	500 grams	1200 grams	3200 grams	5000 grams
Readability	0.001 grams	0.001 grams	0.001 grams	0.01 grams	0.01 grams	0.01 grams
Pan Size (Round)	11.5mm/4.5in.			16cm/6.3in		
Draft Shield	Yes, Glass, 3 Door			No		
Weighing Units	gram, ounces					
Measurement Units	carats, pieces, %					
Exterior Dim.	20.5 x 35 x 3.1 cm 8 x 13.75 x 12.25 in			20.5 x 35 x 8 cm 8 x 13.75 x 3.1 in		



Analytical Balances



Cat. No.	ES59130-120	ES59130-210	ES59130-120C	ES59130-210C
Capacity	120 grams	210 grams	120 grams	210grams
Readability	0.0001 grams	0.0001 grams	0.0001 grams	0.0001 grams
Calibration	External		Internal	
Draft Shield	Yes, Glass, 3 Door			
Pan Size (Round)	90mm/3.5 in.			
Weighing Units	gram, ounces, pounds			
Measurement Units	carats			
Exterior Dim.	32 x 47 x 28 cm 12.5 x 18.5 x 11 in			



Microcentrifuges

Cat. No.	ES89425	ES86448
Description	High Speed Microcentrifuge	Touch Microcentrifuge
Features	LCD Display	Full Color Touch Screen
Speed	500 to 15,500 rpm (up to 16,100 xg)	1,000 to 13,500 rpm (100 to 16,800 xg)
Capacity	12 x 1.5/2.0ml	24 x 1.5/2.0ml AND 2 x PCR Strips (16 x 0.2ml)
Acceleration	10 seconds	
Deceleration	12 seconds	
Speed increment	100 rpm or 100 rcf	100 rpm or 100 rcf
Timer	20 sec. to 99min. / cont.	1 to 99 min. / cont
Momentary	Yes	Yes
Dimensions (W x D x H)	8.7 x 10.6 x 5.9 in.	9 x 12 x 7.75 in.
Weight	10.5 lbs / 4.8 kg	14 lbs/ 6.4 kg
Electrical	115V or 230V. 50-60 Hz, 100W	115V or 230V. 50-60 Hz, 100W
Adapters	0.5 mL Tube (ES89425-05A) 0.2 mL Tube (ES89425-02A)	0.5 mL Tube (ES89448-05)

Mini Centrifuge

- Small footprint, takes up less than 6" of bench space
 - Includes 8 place 1.5/2.0 mL microtube rotor and PCR tube/strip rotor
- Maximum Speed:** 7,000 rpm/2680 x g

Cat. No.	Description	UOM
ESCSM120V	Mini Centrifuge, yellow lid	Each
ESCSMB120V	Mini Centrifuge, blue lid	Each
ESCSMR120V	Mini Centrifuge, red lid	Each
ESCSMT120V	Mini Centrifuge, green lid	Each



Horizon Centrifuge | 755VES (Variable Speed)

- Programmable memory settings
- Automatic lid lock
- Optional MicroTitr plate rotor available for up to 2 plates upon request

Cat. No.	ES755VES
Speed Range	500 to 4,300 RPM
Capacity	24 x 1-10mL / 6 x 50mL / 12 x 15mL Tubes
Acceleration	15 seconds
Deceleration	15 seconds
Timer	Electronic w/hold or 1-99 minutes
Motor	1/2 H.P. Brushless DC
Dimensions (W x D x H)	9"H x 14.5"W x 17"D
Weight	39 lbs.
Electrical	115/230 Volts (± 10%), 50/60 Hz





Digital Hotplates & Stirrers

- Large, backlit LCD display
- Ceramic work surface, 6.5 x 6.5 in.
- Safety LED indicates hot surface
- Control actual temperature (with optional probe)
- Three models: heat-stir, heat only or stir only

Cat. No.	ES59303	ES59313	ES59325
Model:	Hot plate	Magnetic Stirrer	Hotplate/Stirrer
Temp. Range:	Amb. +5 to 380°C	-	Amb. +5 to 380°C
Speed Range:	-	200 to 1500 rpm	200 to 1500 rpm
Platform:	6.5 x 6.5 in. / 16.5 x 16.5 cm	6.5 x 6.5 in. / 16.5 x 16.5 cm	6.5 x 6.5 in. / 16.5 x 16.5 cm
Control:	Digital	Digital	Digital
Dimensions:	7 (W) x 10.5 (D) x 4 (H) in.	7 (W) x 10.5 (D) x 4 (H) in.	7 (W) x 10.5 (D) x 4 (H) in.
Electrical Data:	115, 50-60 Hz, 500W	115, 50-60 Hz, 500W	115, 50-60 Hz, 500W



Water Bath

General purpose water baths that can also be used as boiling water bath. PID controller for easy temperature selection, rapid heat-up, and excellent stability (+/- 0.2°C). Each unit includes a polycarbonate lid.

- Temperature Range: +5 to +100°C (boiling mode)
- Temperature Setting Range: 0 to 100°C in 0.1°C increments
- Timer: Settable up to 99 hours 59 minutes

Cat. No.	Description	UOM
ES4523	Water bath, 6 Liter, 115 V Each	Each
ES4525	Water bath, 14 Liter, 115 V Each	Each
ES4527	Water bath, 28 Liter, 115 V Each	Each

Select Ultra Low Temperature Freezers

Real time clock, event logging alarm history, advanced alarms, alarm-test, and memory functions. Password protection (2 levels, set points and parameters) security for power, temperature and alarm settings.

Cat. No.	ES59830	ES59832-14	ES59832-18
Style:	Chest	Upright	Upright
Adjustable control range:	-40°C to -86°C	-50°C to -86°C	-50°C to -86°C
Shelf Size:	-	22.3" x 17.9"	22.3" x 23.5"
Interior Volume:	4.6 cubic feet	14.3 cubic feet	18.9 cubic feet
Exterior:	32" W x 45.25" H x 30.6" D	30.8" W x 77.8" H x 36.1" D	36.5" W x 77.8" H x 36.1" D
Interior:	17.6" H x 23.75" W x 21.6" D	53" H x 19.4" W x 24.3" D	53" H x 25.2" W x 24.3" D
# of Racks with 2" Boxes (Full Capacity):	12	15	20
# of 2" Boxes per Rack (Full Capacity):	7	16	16
# of 2" Boxes per Cabinet (Full Capacity):	-	240	320
Electric	115V, 60Hz	115V, 60Hz	115V, 60Hz





Mini Digital Incubators

- Digital temperature control
- Personal sized, 13 x 14.5" footprint (20L)
- Accepts bottles and flasks up to 2L
- Two models: Heat Only or Heat/Cool
- Internal outlet, for installation of shaker, rockers, etc.

Cat. No.	ES59510-C	ES59510	ES59510-HC
Model	Mini CO ₂ Incubator	Mini Digital Incubator	Mini Heat/Cool Incubator
Temp. Range	Ambient +10°C to 55°C	Ambient +1°C to 60°C	Ambient -15°C to 60°C
Temp. Increments:	0.1°C	± 1°C	± 1°C
Capacity:	20 L or 0.8 cubic feet	20 L or 0.8 cubic feet	20 L or 0.8 cubic feet
Dimensions (W x D x H)			
Interior:	26 x 23.5 x 33 cm	26 x 23.5 x 33 cm	26 x 23.5 x 33 cm
Exterior:	33.5 x 37 x 48 cm	33.5 x 37 x 48 cm	33.5 x 37 x 48 cm
Weight:	15 lb (6.5 kg)	15 lb (6.5 kg)	15 lb (6.5 kg)
Electrical:	100 V, 50/60 Hz	100 V, 50/60 Hz	100 V, 50/60 Hz



Research Autoclave

- Designed specifically for non-medical research use
- Fully automatic; just press start
- Extremely compact
- Built in water tank, does not require an external water supply



Cat. No.	ES59757	ES59755
Chamber Volume	8 L	16 L
Max. Pressure:	29 PSI / 2 Bar	29 PSI / 2 Bar
Chamber Dimensions:	6.7 x 12.5 in. / 17 x 31 cm	9 x 13.75 in. / 23 x 35 cm
Tray Dimensions:	4.75 x 9.75 in. / 12 x 24.8 cm	6.5 x 10.75 in. / 16.5 x 27 cm
Dimensions (w x d x h):	20 x 13.5 x 12.9 in. / 51 x 34 x 33 cm	22 x 17.5 x 15.7 in. / 56 x 44.5 x 40 cm
Weight:	74 lbs (33kg)	89 lbs (40kg)
Electrical:	120 or 230V, 50-60Hz 950W	120 or 230V, 50-60Hz 1600W

Autoclavable Bags

- Heavy gauge Polypropylene (PP) that will withstand autoclaving temperatures up to 136°C
- All bags have a large white marking area
- Designed to resist stretching and poking, these bags are leak-resistant and have seamless bottoms



Cat. No.	Description	UOM
ES86666	8.5 x 11" (21.6 x 28cm), red, biohazard	100
ES86668	12.2 x 26" (31 x 66cm), red, biohazard	200
ES86668C	12.2 x 26" (31 x 66cm), clear, biohazard	200
ES86669	24 x 32" (61 x 81.3cm), red, biohazard	200
ES86669C	24 x 32" (61 x 81.3cm), clear, biohazard	200

Nitrile Gloves

- Powder free nitrile examination glove
- Soft formulation nitrile conforms to your hand effortlessly
- Thinner, lighter and more flexible than standard nitrile gloves
- Textured fingers provide a non-slip grip
- Cost effective volume packaging, 300 gloves per box



Cat. No.	Description	UOM
ES86141XS	Nitrile gloves, extra small	300/box, 10 boxes/case
ES86141S	Nitrile gloves, small	300/box, 10 boxes/case
ES86141M	Nitrile gloves, medium	300/box, 10 boxes/case
ES86141L	Nitrile gloves, large	300/box, 10 boxes/case
ES86141XL	Nitrile gloves, extra large	300/box, 10 boxes/case

Light Duty Task Wipes

- Low Particulate, non-streak cleaning
- Extra Absorbency Performance
- Sensitive and Delicate parts wiping
- Anti-static cover



Cat. No.	Description	UOM
ES86692	Azer light duty task wipers, small	280/box, 60 boxes/case
ES86694	Azer light duty task wipers, large	140/box, 15 boxes/case

Lab Safety Goggles

- Our anti-fog chemical goggles (ES3695) are ideal for any lab setting where chemicals are being used
- We also offer goggles (ES3696) specially designed to fit over eyeglasses



Cat. No.	Description	UOM
ES3695	Standard Chemical Goggles	Each
ES3696	Safety Goggles, for eyeglasses	Each

Cleaning Detergent

- Safe for glass, metal, and plastic and leaves no interfering residues
- USDA and FDA compliant
- For manual or ultrasonic cleaning
- We offer a powder detergent, liquid detergent, and liquid acid cleaner



	Each	4/CS	9/CS
Description	Cat. No.	Cat. No.	Cat. No.
Alconox® Powder Detergent, 4 lb. box	ES86655-1	x	ES86655
Liquinox® Liquid Detergent, gallon	ES86656-1	ES86656	x
Citranox® Liquid Acid Cleaner, gallon	ES86658-1	ES86658	x

Lab Coats

- Features three pockets, and a front snap closure
- Protects against splash and spray of blood, body fluids, or chemicals
- Subject to OSHA Directive(s) 29 CFR 1910 and OSHA Enforcement Procedure(s) CPL 02-02.069
- Material is anti-static, with high fluid-resistance
- Available in XS, S, M, L, XL.

For ordering, add appropriate size abbreviation to end of Cat. No.

Cat. No.	Description	UOM
ES86411	Lab Coat, white	10/pack
ES86412	Lab Coat, blue	10/pack
ES86415	Lab Coat, teal	10/pack
ES86417	Lab Coat, purple	10/pack
ES86419	Lab Coat, pink	10/pack

White



Blue



Teal



Purple



Pink





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