



MESLO



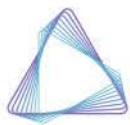
CLINICAL TESTING BROCHURE

Automation, Biobanking, NGS, PCR

Laboratory Tests, Equipment & Consumables

www.meslo.com info@meslo.com

Sample Management Solutions



AZENTA
LIFE SCIENCES



Consumables & Instruments: from Sample Storage & Cryopreservation to PCR & Molecular Diagnostics
Azenta Life Sciences provides an extensive array of consumables and instruments tailored for sectors like biobanking, genomics, and research. Products like storage tubes, readers, and management systems cater to a range of applications, emphasizing sample integrity from collection to cryopreservation. Azenta's temperature management solutions and essential consumables address the varied demands of the life sciences industry.
www.azenta.com

Laboratory Equipment Solutions

Cole-Parmer®



Global manufacturer of lab equipment and supplies for research
Cole-Parmer® provides equipment and instrument solutions that have become synonymous with unsurpassed quality and are indispensable value to scientists in laboratories around the world. Cole-Parmer is renowned for offering high quality solutions, service, and technical support. The Cole-Parmer equipment range covers all scientific disciplines and applications with global leading quality and support.
www.coleparmer.com

General Laboratory Equipment



Falc Instruments
Founded in 1973, FALC Instruments has over 40 years of expertise in manufacturing top-tier laboratory equipment for the chemical, pharmaceutical, and clinical sectors. Renowned for innovation, FALC's Instrumentation Line includes advanced autoclaves, baths, climatic test chambers, furnaces, growth chambers, heaters, incubators, ovens, stirrers, thermoblocks, thermocyclers, thermosealers, ultrasonic baths, and water purification systems. Each product is meticulously engineered to meet the diverse and precise needs of modern scientific research.
www.falcinstruments.it/en

Automated Robotics Platforms



User Friendly & Affordable Liquid Handler
Elevate your lab's efficiency with Flow Robotics' state-of-the-art automation solutions. Specializing in user-friendly, precise liquid handling systems, we empower your research with accuracy and speed. Trust in Flow Robotics to streamline your processes and drive innovation in every experiment.
www.flow-robotics.com

CE-IVD qPCR Kits & STI Panels

GeneProof®
Molecular diagnostics for your routine



Geneproof® is a biotechnology company operating in the field of molecular in vitro diagnostics of serious infections and genetic diseases. Geneproof develops, produces, and distributes technologically advanced, high quality, user-friendly and affordable PCR products.
www.geneproof.com

IVD Clinical Test Kits & Reagents



In Vitro Diagnostics Supplier

Griff IVD UK redefines precision in the in vitro diagnostics (IVD) sector, offering a spectrum of robust, high-quality solutions tailored for your laboratory needs including blood group, latex serology and more.
www.griff-ivd.com

Air Sampling & Biological Concentration



Solutions for rapid collection and concentration of biological particles from air, fluids and surfaces

InnovaPrep's patented technology allows monitoring of the presence of biological targets in environments through the rapid collection and concentration of biological particles from air, fluids, and surface. The technology allows faster monitoring of presences with greater sensitivity to improve detection of threats.

www.innovaprep.com

Pipette Platform Solutions



Advanced Compact Pipetting Platform

Veon Scientific, manufacturers of the iPrep® pipetting platform. iPrep's advanced pipetting platform are designed to revolutionize your laboratory workflow. Their innovative system offers unmatched accuracy, speed, and reliability, ensuring your liquid handling tasks are performed with utmost precision. Streamline your experiments, reduce manual errors, and enhance reproducibility with iPrep's cutting-edge technology.

www.iprep.xyz

Pipette Calibration and Consumables



Your Laboratory Plasticware Needs are Met!

LabBee, with its years of life science expertise, fulfils supply chain needs. Committed to reliability, availability, and trust, LabBee provides universal manual and robotic tips, plasticware, custom sourcing solutions and the Checkit Go calibration tool for swift accuracy checks.

www.LabBee-us.com

Genomics Workflow Solutions



Custom Oligo Synthesis, PCR reagents & Extraction

Unlock the potential of your research with LGC Biosearch, a leader in life sciences and clinical diagnostics. Their comprehensive range of products and services, from high-quality reagents to custom genomics solutions, empowers scientists to achieve ground breaking discoveries and advancements.

www.biosearchtech.com

Microplate Spectrophotometers



Microplate Spectrophotometer, Luminescence reader, Luminometer

Experience precision and versatility with Ltek Microplate's range of microplate readers and washers. Their models cater to diverse research needs: from the basic absorbance reader for routine assays to the advanced multi-mode reader for complex, multi-parameter analyses. Complement your detection with our efficient plate washers, ensuring thorough preparation and optimal conditions for each assay. www.ltekc.com

Nano Spectrophotometer + Fluorimeter



M-Drop life science spectroscopy and fluorescence analysis

MESLO BRAND is our new MESLO range of instruments which addresses core market needs in analytical and life sciences. The M-Drop life science spectrophotometer and fluorimeter, comes with a 7" touch screen icon driven display and built in printer. www.meslo.com

PCR & qPCR Reagents



PCR Reagents for Research & Diagnostics

Unlock the full potential of your PCR applications with PCR Biosystems, offering a comprehensive suite of solutions for your molecular biology needs. From high-fidelity enzymes for accurate amplification to robust master mixes for sensitive applications, our range is designed for optimal performance and reliability. PCR Biosystems brings you the precision, speed, and ease-of-use necessary to drive your research forward, ensuring exceptional results in every run. www.pcrbio.com

Automated Extraction Technologies



Automated Nucleic Acids Extraction Manufacturer

Optimize your extraction workflows with Tanbead's advanced systems, designed for high-purity and high-yield nucleic acid and protein isolation. Experience efficiency, precision, and ease of use in every procedure, setting a new benchmark for your laboratory's extraction processes. www.tanbead.com/en

Traceable Monitoring Solutions



Temperature monitoring Solutions

Ensure precise temperature monitoring with Traceable's range of temperature meters, engineered for accuracy and reliability. Our user-friendly devices offer seamless integration into your critical processes, providing consistent, traceable measurements. With Traceable temperature meters, maintain the highest standards of quality and compliance in your laboratory or industrial environment. www.traceable.com

qPCR & NGS Kits



NGS and qPCR kits Experts

Elevate your genomic research with YouSeq's extensive collection of qPCR products, meticulously organized into diverse categories such as Human, Veterinary, Food/Water, Biopharmaceutical, Agriculture, Genotyping, and Antibiotic Resistance. These products are thoughtfully sub categorized into Singleplex, Multiplex, and Panel options, ensuring a precise match for specific laboratory requirements. Complementing this array is YouSeq's comprehensive suite of next-generation sequencing solutions and molecular tools, including robust qPCR kits and versatile NGS libraries. Together, they empower your research, combining cutting-edge technology with unparalleled quality to meet the dynamic demands of modern science
www.youseq.com

Diagnostic Controls, Kits, and Reagents



NATtrol™ Molecular External Controls

Enhance your molecular diagnostics with ZeptoMetrix's NATtrol™ Molecular Controls, setting the gold standard for accuracy and reliability. Their meticulously formulated controls are designed to validate and monitor the performance of your molecular assays, providing you with the confidence needed for precise results. With ZeptoMetrix's NATtrol™, ensure the highest quality in your testing processes, enabling consistent and dependable diagnostics in every analysis.
www.zeptometrix.com

Endpoint PCR Workflow

1

Prepare The Sample Through Homogenizer /Cell-Lysis



SPEX Sampleprep offers a range of solutions for tissue homogenization and cell lysis. These enable researchers to efficiently extract high quality DNA, RNA, Proteins and other molecules.



2

Extract Nucleic Acid

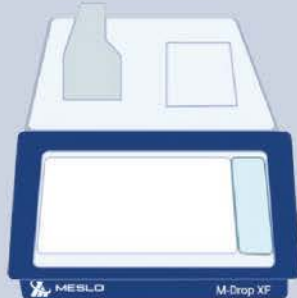


TANbead automated extraction solutions use magnetic bead technology for nucleic acid extraction. These offer rapid and efficient extraction of DNA & RNA from a variety of sample types, with customizable protocols and minimal time.



3

Calculate Sample Purity



MESLO M-Drop XF Spectrophotometer & Fluorometer is designed for accurate and easy quantification of DNA and RNA concentration and purity in small sample volumes. It uses a highly sensitive measurement system with a range of built-in nucleic acid quantification modes, making it suitable for diverse applications in molecular biology and genomics.



4

PCR and Research Applications

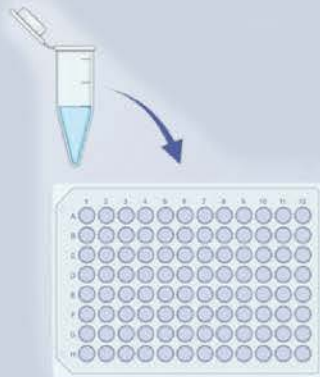


PCR Biosystems specializes in polymerase mixes for twelve applications, emphasizing high-performance kits and flexible cDNA synthesis solutions. LGC Biosearch Technologies, known for Custom Oligo Synthesis, offers a comprehensive product range, including PCR reagents and Extraction kits. Together, these brands provide diverse expertise in life sciences.



5

Transfer of Samples



Azenta Life Sciences is a leading provider of PCR consumables, offering a range of highquality products for sample collection, processing, and amplification. Their product line includes PCR tubes, strips, plates, pipette tips and reagents. Azenta Life Sciences PCR consumables are designed for optimal performance in PCR applications, with features such as low binding and high clarity for efficient and reliable amplification.



6

Analysis using a PCR instrument

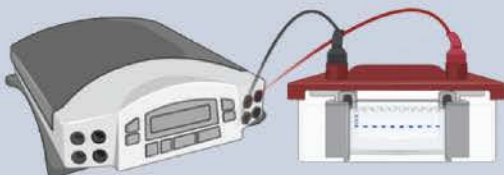


The PCRmax AC series consists of several advance end point PCR, such as the AC-1, AC-2, and AC-4, designed to cater to a wide range of molecular biology applications in research, diagnostics, and education laboratories.

Cole-Parmer® PCR_{max}®

7

Confirm the PCR Result

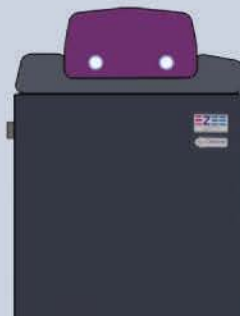


Cleaver Scientific offers a range of horizontal electrophoresis systems under the Horizontal Electrophoresis product line. These systems are designed for separating and analyzing DNA and RNA samples using agarose gels. The Horizontal Electrophoresis systems offer a variety of options, including gel tray sizes, comb types, and power supplies.



8

Document and Analyze the Gel



Cleaver Scientific provides a variety of gel documentation systems, ranging from the basic microDOC to all-in-one DNA and protein imaging omniDOC, which can capture most fluorescent and colorimetric gels. They also offer chemiluminescence documentation systems for both chemi and fluorescence imaging. All of their systems come with user-friendly acquisition and analysis software to make gel capturing and analyzing easier.



1

Prepare The Sample Through Homogenizer /Cell-Lysis

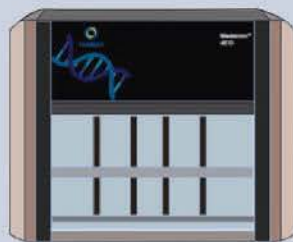


SPEX Sampleprep offers a range of solutions for tissue homogenization and cell lysis. These enable researchers to efficiently extract high quality DNA, RNA, Proteins and other molecules.

spex

2

Extract Nucleic Acid

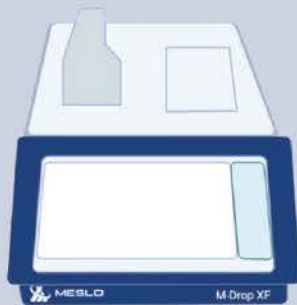


TANbead automated extraction solutions use magnetic bead technology for nucleic acid extraction. These offer rapid and efficient extraction of DNA & RNA from a variety of sample types, with customizable protocols and minimal time.

TANBEAD

3

Calculate Sample Purity

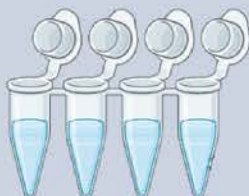


MESLO M-Drop XF Spectrophotometer & Fluorometer is designed for accurate and easy quantification of DNA and RNA concentration and purity in small sample volumes. It uses a highly sensitive measurement system with a range of built-in nucleic acid quantification modes, making it suitable for diverse applications in molecular biology and genomics.

MESLO

4

Preparation of PCR samples for Research Applications



PCR Biosystems and LGC Biosearch Technologies are leading providers in molecular biology products. PCR Biosystems specializes in quantitative PCR and qPCR reagents, with master mixes for precise DNA and RNA target detection. LGC Biosearch Technologies offers Custom Oligo Synthesis, PCR reagents, and Extraction kits, empowering researchers for diverse applications.

PCRBIOSYSTEMS

LGC BIOSEARCH TECHNOLOGIES
GENOMIC ANALYSIS BY LGC

5

Diagnostics & Detection

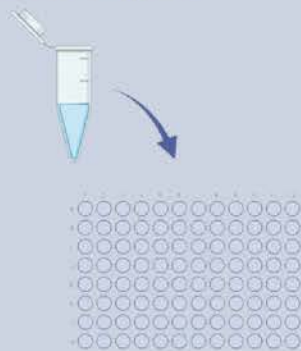


YouSeq offers over 350 qPCR based assay kits, designed for various pathogen detection. Their range includes a huge breadth of singleplex kits, across human, veterinary, agriculture and food categories. Moreover, multiplex kits for respiratory, STI, UTI, vector borne and many more.



6

Transfer of Samples

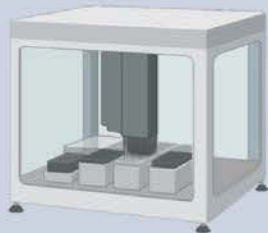


Azenta Life Sciences is a leading provider of PCR consumables, offering a range of highquality products for sample collection, processing, and amplification. Their product line includes PCR tubes, strips, plates, pipette tips and reagents. Azenta Life Sciences PCR consumables are designed for optimal performance in PCR applications, with features such as low binding and high clarity for efficient and reliable amplification.



7

Process samples using an automated liquid handling robotic platform



Experience precision and efficiency with Flowbot® ONE and i.prep® innovative liquid handling solutions automating PCR setup and lab workflows. The flexible Flowbot® ONE handles diverse PCR applications, while i.prep® ensures unmatched simplicity. Choose the system that suits your needs to enhance laboratory efficiency and throughput with cutting-edge technology.



8

Analysis using a qPCR instrument



The Eco 48 qPCR system is a highly efficient and reliable real-time PCR system developed by PCRmax. It can analyze up to 48 samples simultaneously, delivering highly accurate and reproducible results in a short amount of time. It features advanced thermal control technology, a user-friendly interface, and easy-to-use software.



1

Prepare The Sample Through Homogenizer /Cell-Lysis



SPEX Sampleprep offers a range of solutions for tissue homogenization and cell lysis. These enable researchers to efficiently extract high quality DNA, RNA, Proteins and other molecules.



2

Extract Nucleic Acid

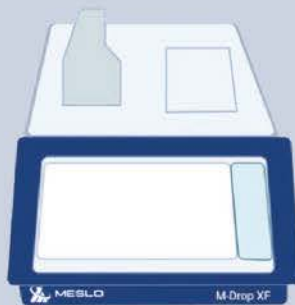


TANBEAD automated extraction solutions use magnetic bead technology for nucleic acid extraction. These offer rapid and efficient extraction of DNA & RNA from a variety of sample types, with customizable protocols and minimal time.



3

Identify sample concentration and purity



MESLO M-Drop XF Spectrophotometer & Fluorometer is designed for accurate and easy quantification of DNA and RNA concentration and purity in small sample volumes. It can be used to confirm the use of the same concentration of sample DNA when preparing NGS libraries for multiple samples.

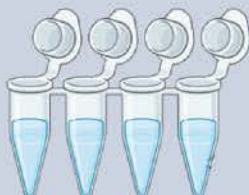
YouSeq NGS kits are designed to take you from sample to analysis report with minimal hands-on time. It contains all the reagents necessary to create a ready-to-sequence NGS library in minutes.



YOUSEQ
DETECT MORE

4

Preparation of PCR samples for Research Applications

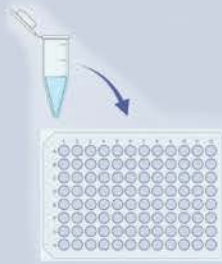


PCR Biosystems offers mixes for NGS library amplification. Combining a powerful and robust proofreading enzyme, greatly reduced GCdependent bias, and Aptalock™ hot start technology, this mix enables precise PCR amplification, regardless the target you are sequencing.



5

NGS consumables

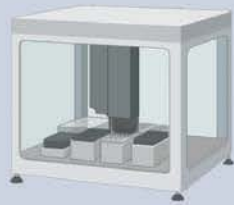


Azenta Life Sciences' low binding products, ideal for sensitive, low DNA input applications like NGS sample preparation, demonstrate minimal DNA loss upon incubation, outperforming competitors' materials and low binding plates, which show DNA loss at low concentrations, as evidenced by increased Ct values.



6

Process samples using an automated liquid handling robotic platform



Flow Robotics offers the Flowbot® ONE, a flexible liquid handling robot designed for automating PCR setup and other laboratory workflows. With customizable protocols, the Flowbot® ONE can handle diverse PCR applications and sample types.



7

Thermal Cycling in your NGS workflow



The PCRmax AC series consists of several advance end point PCR, such as the AC-1, AC- 2, and AC-4, designed to cater to a wide range of molecular biology applications in research, diagnostics, and education laboratories.

Cole-Parmer® PCR_{max}®

8

Quantitate your NGS library



Ensuring equal concentration among all samples in multiple NGS libraries is very important. PCRmax Eco48 is a reliable real-time PCR for this purpose. YouSeq and PCR Biosystems allow for highly accurate quantification of NGS library by qPCR.

Cole-Parmer®
PCR_{max}®



MESLO is a leading scientific, life sciences and process equipment distributor that was established in 1984 in Nicosia, Cyprus, and has offices in U.A.E, Cyprus, Egypt, Nigeria, and the USA.

MESLO focuses on a high-quality range of equipment, reagents and consumables with competitive pricing, an efficient quotation processing system, and a dedicated application support team for high class customer service levels. We continuously strive to offer the best experience to our customers and partners. We firmly believe that by being responsive to our distributors and suppliers needs, we have been successful in developing and managing long term relationships that have spanned 4 decades of business partnerships.

MESLO has continuously improved our supply chain strategy through warehousing facilities and logistical partners in the UK, Cyprus, Nigeria, U.A.E, and U.S.A where stock and spare parts are available for rapid dispatch to meet customer needs locally.

We understand the value in each of our brands and the years it takes to develop and build each supply partner relationship successfully. For each partner we represent, we build a dedicated route to market that is carefully screened, selected, and trained to meet each supplier individual needs to ensure success between MESLO and the supply partner. This detail driven approach has demonstrated repeated remarkable success to build mutual brand equity for multiple partners.

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