



Freezer

The CryoCube F740 series by Eppendorf makes ultralow temperature sample storage future-proof. An increased capacity of 740 L/576 boxes, improved energy efficiency without sacrificing temperature accuracy, and considerable noise reduction create a

safe storage environment. Options such as air-cooling or water-cooling, right-handed or left-handed doors, and three or five interior compartments set new benchmarks for user demands. The CryoCube F740 is network-compatible and can be monitored through Eppendorf's smart VisioNize system—directly at the device's touchscreen or flexibly at a computer or tablet in the office.

Eppendorf

For info: 800-645-3050
www.eppendorf.com

Fluorescent Staining Kits for *C. elegans*

NemaMetrix has a series of RediStain fluorescent kits for improved visualization of *C. elegans* structure and function in phenotyping studies. Used with the company's ScreenChip System, the new staining kits provide a more efficient way to study nematode phenotypes and their directly related underlying genotypes, which would be impossible with nonfluorescent techniques. The ScreenChip System allows researchers to rapidly generate and collect precise whole-animal data via quick, reliable assessment of neuronal and physiological responses to genetic mutations, drug effects, and other environmental changes. It provides researchers an alternative to help them better understand human diseases and explore potential treatments for high-impact disorders. The ScreenChip System is currently being used in aging, neurodegenerative, and cardiac disease studies, as well as drug development and developmental biology.

NemaMetrix

For info: 844-663-8749
nemamatrix.com/c-elegans-fluorescent-kits

Custom Antibody-Dye Combinations

Complete your artfully crafted panel with BD OptiBuild custom reagents. Procuring custom antibody-dye combinations is as easy and convenient as ordering a standard catalog item. Whether you want to minimize compensation or add new markers to complex experiments, BD OptiBuild reagents provide flexibility to evaluate new colors and simplify your panel design. The reagents are available in small, 50- μ g vial sizes, and ship within 72 hours of your order. We've just added over 2,800 high-quality antibodies to our current offerings, expanding your options for multicolor panel design by 4,500 new reagents.

BD Biosciences

For info: 877-232-8995
www.bdbiosciences.com

Lentivirus Titer Kit

Origene offers a One-Wash Lentivirus Titer Kit, for HIV-1 p24 ELISA assays. Lentivirus is a powerful gene delivery tool. To ensure efficient gene expression/knockdown, the optimal MOI (multiplicity of infection) for specific cells needs to be tested; therefore lentiviral titer needs to be measured. Most lentiviral vectors are derived from HIV-1, and HIV-1 p24 is the viral capsid protein. p24 ELISA assays are developed to measure the amount of p24 in the lentivirus samples, which is proportional to the amount of lentiviral particles. OriGene's One-Wash titer kit has a simplified workflow; it uses single washing versus 4X washing and takes 3 hours versus overnight. The kit is meant for room-temperature handling—there is no need for 37°C incubation.

OriGene

For info: 888-267-4436
www.origene.com

Apoptosis Primary Antibodies

Rockland offers a comprehensive variety of antibodies and antibody-based tools for the numerous methods needed in apoptosis and cell-survival measurement. Its products are designed and tested to perform in a variety of assays, including flow cytometry, immunohistochemistry, Western blot, and immunoprecipitation. Each step of the antibody development process is completed within Rockland's in-house, controlled environment, delivering unsurpassed repeatability in antibody construction. Apoptosis is a genetically programmed process for the elimination of damaged or redundant cells by activation of caspases (aspartate-specific cysteine proteases). It is the balance between the pro-apoptotic and pro-survival signals that eventually determines whether cells will undergo apoptosis, survive, or proliferate. Apoptosis is a vital component of normal cell turnover, proper development and functioning of the immune system, hormone-dependent atrophy, embryonic development, and chemical-induced cell death.

Rockland Immunochemicals

For info: 800-656-7625
www.rockland-inc.com

Cell-Line Authentication Service

Now more than ever, it is vital to authenticate your cell lines prior to publication. At ATCC, we have the knowledge to help you do that with our easy-to-use Short Tandem Repeat (STR) Profiling Service. Cell-line authentication is a set of tests intended to demonstrate that a cell line is what it is reported to be. STR profiling is a form of intraspecies cell-line authentication that looks for the variation of tandem repetitive sequences in your cell line; it is rapid, reproducible, and uses a standardized PCR-based method. ATCC-trained experts amplify 17 STR loci plus amelogenin. A comprehensive analysis interprets both karyotypically normal and abnormal cell lines. A no-fuss sample mailer packet is provided so that cells can be spotted onto FTA paper and mailed back to ATCC using the preaddressed envelope. ATCC's STR report meets all requirements for funding, publication, and quality control.

ATCC

For info: 800-638-6597
www.atcc.org

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