



ChIP-Seq Library Preparation

The UniQSeq ChIP library preparation kit is highly sensitive, especially for low-abundance transcription factors, and can be used for both quantitative PCR and sequencing. This

kit is compatible with both high and low chromatin loadings with an increased slurry volume of 1 mL, offering greater flexibility with more difficult samples. UniQSeq requires a cleanup step, but due to the increased binding of the column, enough DNA is obtained from one column to eliminate the need to pool samples for library preparation. The kit offers a simple, cost-effective solution for generating ChIP-Seq libraries from chromatin immunoprecipitation (ChIP)-derived DNA. Leveraging NGS, ChIP-Seq can quickly and efficiently determine the distribution and abundance of DNA-bound protein targets of interest across the genome. ChIP-Seq is one of the most widely used NGS applications, enabling researchers to simultaneously and reliably identify binding sites from a broad range of targets across the entire genome, with high resolution and without constraints.

Chromatrap

For info: +44-(0)-1978-666222
www.chromatrap.com/uniqseq

PBS-Only Antibodies

Abcam's new phosphate buffered saline (PBS)-only recombinant antibodies are free from preservatives and stabilizing agents, offering improved flexibility for researchers conducting more complex experiments. Typically, antibodies are stored in a buffer composed of bovine serum albumin (BSA), glycerol, and sodium azide to ensure stability. However, these components can inhibit effective conjugation to certain dyes and enzymes, or they can be toxic to live cells. In a concentrated solution, without BSA, glycerol, or azide, PBS-only antibodies are ideally suited to antibody-labeling, functional, and cell-based assays as well as live-cell imaging applications. Developed using Abcam's rabbit monoclonal recombinant technology, these antibodies are highly reproducible, ensuring batch-to-batch consistency. They are extensively validated across a wide range of applications, including flow cytometry, Western blot, chromatin immunoprecipitation, immunocytochemistry, immunohistochemistry, and knockout validation. Abcam is now making over 2,300 PBS-only antibodies available via its catalog for global researchers.

Abcam

For info: 888-772-2226
www.abcam.com/pbs-only

Single-Cell Analyzer

The Celsee Genesis system provides a robust, scalable, and flexible way to analyze and interpret cellular behavior, and to collect critical cell-based information that was previously undetectable. The system uses a gentle, gravity-based method to capture and isolate individual cells while maintaining viability and structural integrity. The workflow achieves capture efficiencies of >70% and improved sensitivity versus

other techniques for single-cell analysis. This open, flexible platform can be used directly with blood and tissue samples, offering a practical solution for understanding and monitoring cell-based diseases, whether users are interested in studying an individual cell or millions of cells from one sample.

Celsee

For info: 734-233-3089
www.celsee.com

Rabbit Monoclonal Antibodies

Abwiz Bio has a unique phospho antibody development platform for the creation of antibodies recognizing site-specific phosphorylation of target proteins. Our rabbit monoclonal antibodies (mAbs) are made using our phage-based RabWiz technology, which is ideally suited for phosphospecific applications; they are rigorously validated and optimized for use in Western blotting and flow cytometry (fluorescence-activated cell sorting) for the detection of protein phosphorylations. All our phospho antibody reagents are recombinant rabbit mAbs. Recombinant antibodies are more reliable than their polyclonal or hybridoma-produced counterparts; they exhibit little lot-to-lot variability due to complete immunoglobulin sequence characterization. Our RabWiz platform enables high-throughput capture, sequencing, and validation of dozens of possible phosphospecific antibodies, ensuring that only the best phospho antibody product is developed for each target. Contact us today and tell us to add your favorite phosphosite target to our constantly expanding product portfolio.

Abwiz Bio

For info: 858-352-6911
www.abwizbio.com/products/phospho-antibodies

Sonicator

The Covaris M220 Focused-ultrasonicator is designed for NGS applications that require high-quality DNA fragmentation for library preparation. It efficiently focuses the minimum amount of energy required directly into a sample, enabling precise control of the hydrodynamic shearing forces that fragment nucleic acids to the selected size. The process is isothermal, so fragmentation is unbiased, the sample is undamaged, and yields are high. Covaris focused-ultrasonic technology is considered a DNA-shearing standard in many labs worldwide.

Thermo Fisher Scientific

For info: 800-955-6288
www.thermofisher.com

ChIP Kit

The EpiQuik Chromatin Immunoprecipitation (ChIP) Kit is a complete set of optimized reagents to perform chromatin immunoprecipitation (ChIP) via a convenient, microplate-based format. It is ready-to-use and provides all the essential components needed to carry out a successful ChIP experiment. EpiQuik ChIP kits are suitable for combining the specificity of immunoprecipitation with qualitative and quantitative PCR, ChIP-Seq, and ChIP-on-chip. The kit enables the procedure to be completed within 5 h. The Strip microwell format allows the assay to be either manual or high throughput. EpiQuik is also compatible with all DNA-amplification-based approaches.

Epigentek

For info: 877-374-4368
www.epigentek.com

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