

Separate cells

From antibodies and assays to simple separations.

ProTeam FFE

Tecan www.tecan.com

Reduce the complexity of the proteome

ProTeam FFE is a liquid fractionation device that allows rapid separation of a wide range of charged molecules and particles without the use of a conventional solid polyacrylamide matrix. This technology may be used to separate cells, cell organelles, cellular fragments and complex protein mixtures. ProTeam FFE permits fast continuous electrophoretic fractionation yielding up to 96 fractions. Experiments can be performed with different electrophoretic modes under both native and denaturing conditions. ProTeam FFE is supplied with proprietary reagents and validated protocols for isoelectric focusing. Further protocols for zone electrophoresis and isotachopheresis operation modes are possible.



Matrix-free fractionation from Tecan

EBP50

Affinity BioReagents www.bioreagents.com

A key protein in cell signalling

Ezrin-radixin-moesin binding phosphoprotein of 50 kDa (EBP50) is a PDZ-containing protein that is involved in the linkage of integral membrane proteins to the cytoskeleton. This key protein is implicated in the formation of a wide variety of signalling complexes. EBP50 can be used in a range of cell signalling, differentiation and growth models. It has been optimized for immunoprecipitation and western blot procedures.

Haemoglobin antibodies

Biodesign www.biodesign.com

Antibodies to fetal and human haemoglobin

Biodesign's fetal haemoglobin (HbF) monoclonal antibodies detect the human fetal haemoglobin molecule in its intact form. Reactivity is demonstrated with human fetal erythrocytes, adult F cells and nucleated red cell precursors containing HbF. No reaction is observed with other forms of human haemoglobin. The binding epitope is present on the intact HbF molecule only. Human haemoglobin monoclonal antibodies detect many types of human haemoglobin, including HbA, HbA1c, HbA2, HbE, HbF and HbS.

Lysozyme

Pierce www.piercenet.com

Breakdown assistance

Lysozyme can be used with Pierce's B-PER bacterial protein extraction products to aid in the breaking down of cell walls and membranes in sample preparations and to help

which of the two pro-apoptotic pathways are activated by TRAIL in a particular cell type.

Guava PC

Genetic Research Instrumentation

www.gri.co.uk

Up close and personal

Guava's PC personal cytometer is now available from Genetic Research Instrumentation. This flexible desktop cytometer can be used together with validated reagents and dedicated software to perform advanced single-cell analysis on a micro-volume scale. Applications range from cell counting and viability to protein expression and apoptosis analysis.

AutoLead

Imaging Research www.imagingresearch.com

Give cell analysis a boost

The AutoLead cell analyser is designed to increase the breadth and throughput of cell-based functional assays. It is supplied with bright field and epifluorescence optics and a rapid, high-resolution CCD camera. Software is available for common assays. The analyser processes over 2,500 samples per hour in 384-well microplates.

IMAP

Molecular Devices www.moleculardevices.com

Versatile mix-and-read assay kits

Molecular Devices offers three assay kits using IMAP technology, an assay format for kinase activity that does not use specific antibodies. IMAP can be applied to most kinases as a non-radioactive, mix-and-read assay. Kits include SGK and Akt assays for screening kinase inhibitors, and IMAP Explorer, which provides the company's assay tools.

These notes are compiled in the Nature office from information provided by the manufacturers.

clean inclusion body preparations. Lysozyme is produced from chicken egg white and has a specific activity of ~20,000 units per mg. One unit of enzyme catalyses a decrease of 0.001 A_{450} per cm per minute at 25 °C and pH 6.24 due to lysis using a suspension of *Micrococcus luteus* (about 0.25 mg per ml) as substrate.

Anti-TRAIL -1 to -4

Alexis Biochemicals www.alexis-corp.com

Receptor flow cytometry set

This monoclonal antibody set is used in the study of TNF-related apoptosis-inducing ligand (TRAIL) mediated apoptosis. These receptor-specific antibodies to TRAIL-R1, -R2, -R3 and -R4 can be used in the analysis of cell lysates by western blotting and cell surface studies using flow cytometry (FACS). While detection of TRAIL receptors in western blots can be performed with polyclonal sera, FACS applications appear to require MAb specific to each TRAIL receptor. The MAbs for TRAIL-R1 and -R2 can also be used to identify