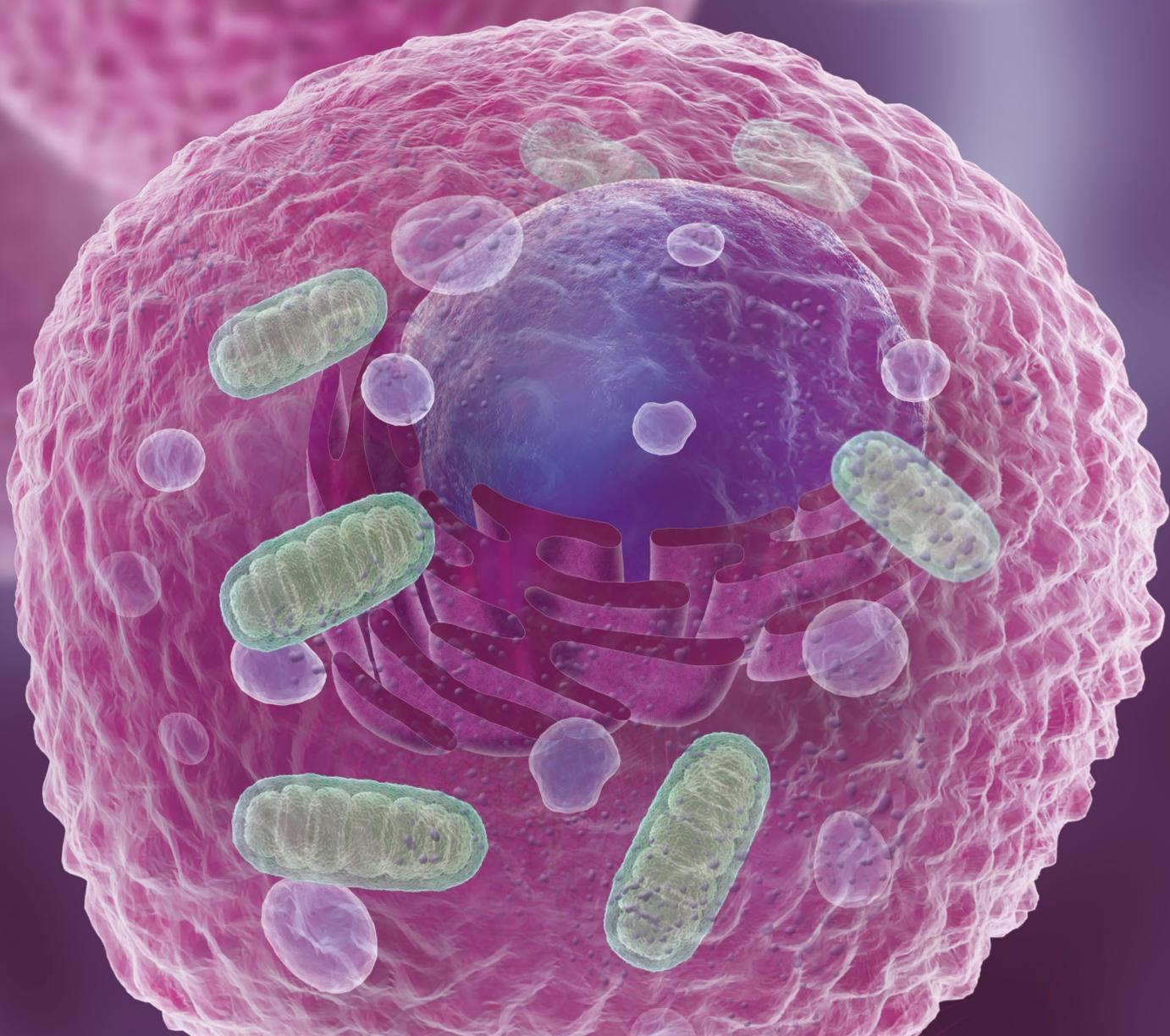


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bioscience

Cell biology portfolio

Tools for cell biology research

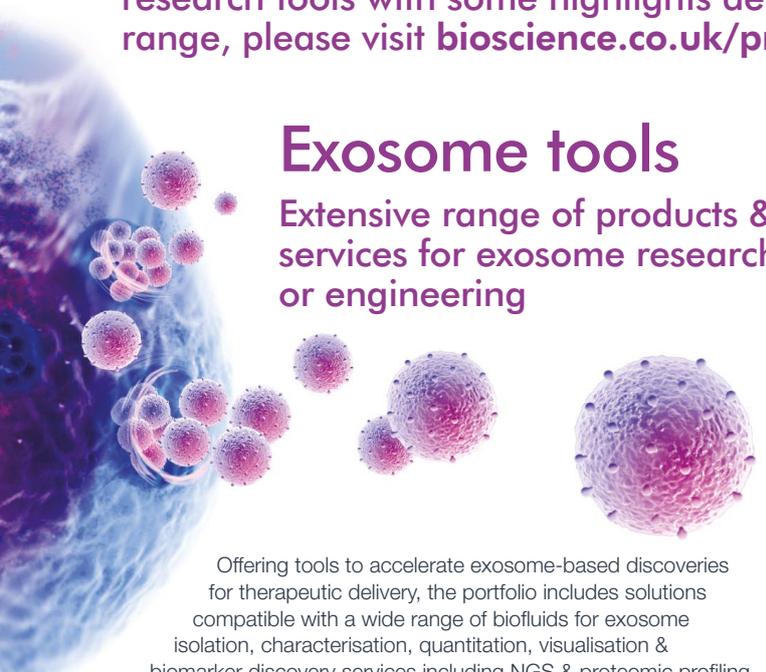


CELL BIOLOGY RESEARCH TOOLS

Cambridge Bioscience offers an extensive portfolio of cell biology research tools with some highlights detailed below. For the full range, please visit bioscience.co.uk/products/cell-biology.

Exosome tools

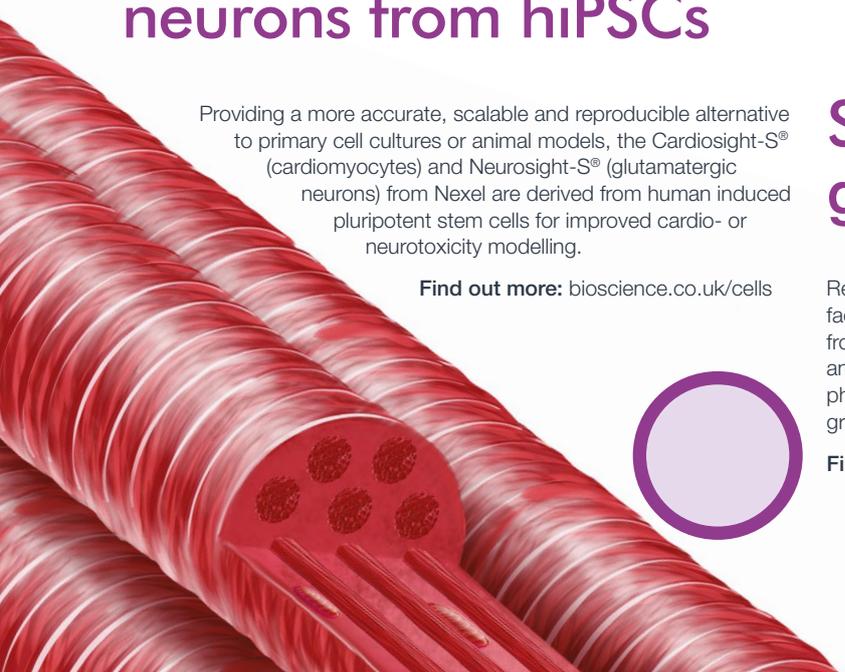
Extensive range of products & services for exosome research or engineering



Offering tools to accelerate exosome-based discoveries for therapeutic delivery, the portfolio includes solutions compatible with a wide range of biofluids for exosome isolation, characterisation, quantitation, visualisation & biomarker discovery services including NGS & proteomic profiling.

Find out more: bioscience.co.uk/exosomes

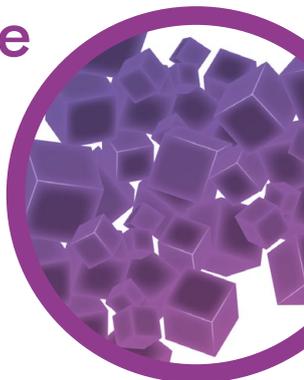
Cardiomyocytes & neurons from hiPSCs



Providing a more accurate, scalable and reproducible alternative to primary cell cultures or animal models, the Cardiosight-S® (cardiomyocytes) and Neurosight-S® (glutamatergic neurons) from Nexel are derived from human induced pluripotent stem cells for improved cardio- or neurotoxicity modelling.

Find out more: bioscience.co.uk/cells

Sustained release growth factors



Releasing a steady stream of active growth factors over days, weeks or months, PODS™ from Cell Guidance Systems are ideal for organoid and spheroid cultures, improving cell health and phenotypes by the prolonged presence of active growth factors in the culture environment.

Find out more: bioscience.co.uk/pods

Transfection

A reagent for every application in research, gene therapy & bioproduction



CHOgro® high yield expression system – the most advanced system for transient transfection & protein production in suspension CHO cells. With no commercial license required, the system from Mirus provides rapid, industry-leading protein yields in just seven days.

Trans-IT® – Ideal for delivering multiple types of nucleic acids, Mirus provide solutions for hard-to-transfect & common cell types, promoting effective workflow & consistent experimental outcomes for high functional virus titres, efficient knockdown of target genes & effective low toxicity solutions.

Viromer® – an advanced technology from Lipocalyx for the highly effective & gentle transfection of siRNA, miRNA, mRNA, plasmids and CRISPR RNP into a wide range of hard-to-transfect cells including suspension cells, stem cells and primary cells.

Find out more: bioscience.co.uk/transfection

Free samples available

Extracellular matrices for 2D & 3D cell culture

Tissue-specific 2D surface coating

Coat any cell culture surface with NativeCoat™ ECM from Xylyx to support more *in vivo-like* cell phenotypes in 2D culture.

Find out more: bioscience.co.uk/nativecoat

Tissue-specific 3D hydrogel

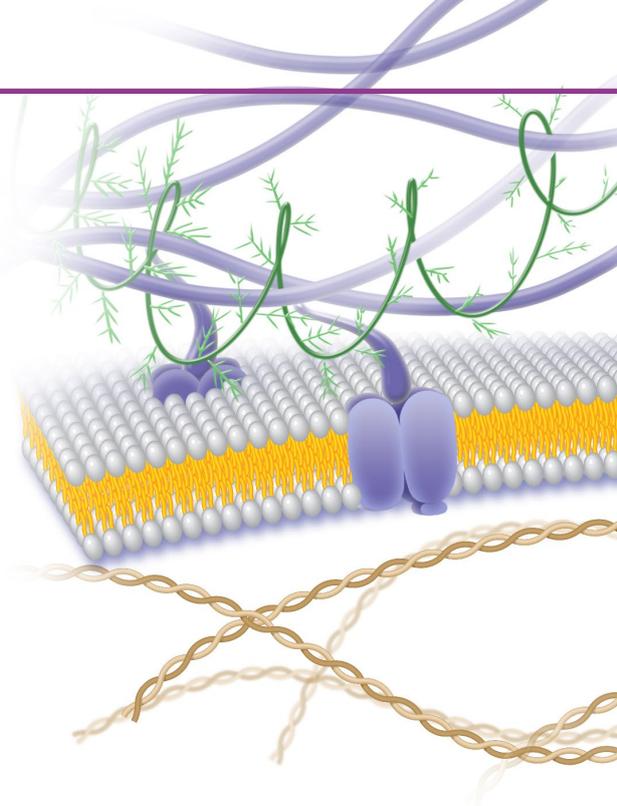
Culture cells on the surface or within the tissue-specific TissueSpec® hydrogels from Xylyx to bring the complete, endogenous ECM environment into your *in vitro* setting for more physiologically relevant results.

Find out more: bioscience.co.uk/tissuespec-hydrogels

Tissue-specific 3D scaffolds

Providing the biochemical, architectural and mechanical features of the specific endogenous tissue microenvironment required by cells in 3D culture, TissueSpec® scaffolds from Xylyx promote cell adhesion, proliferation & functional organisation.

Find out more: bioscience.co.uk/tissuespec-scaffolds



Karyotype analysis service

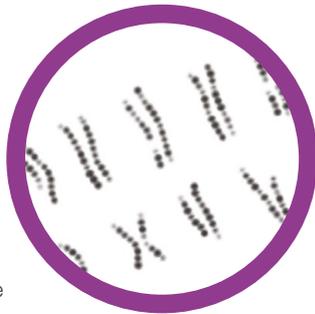
Mindful of the need for routine assessment of stem cell lines, Cell Guidance Systems offer a karyotype G-banding analysis for both mouse and human cells which enables the identification of numerical and structural chromosomal abnormalities.

Service Levels Available

- Live cells
- Fixed cells

The service results consist of a descriptive report and at least one high-quality image of a representative karyotype.

Find out more: bioscience.co.uk/karyotype-analysis



Imaging

Stain subcellular compartments in live cells

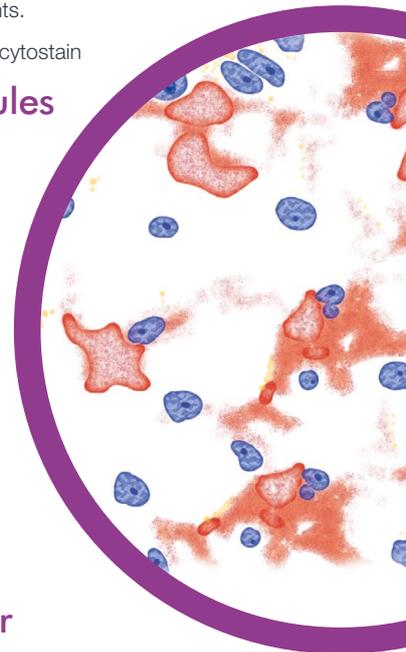
Providing an alternative to chemical staining, Viomer® Cytostain from Lipocalyx is an mRNA-based live cell staining solution for the staining of targeted subcellular compartments, allowing fast, strong and transient expression for any downstream experiments.

Find out more: bioscience.co.uk/viomer-cytostain

Quantify mRNA molecules at the cellular level

Enabling simultaneous detection, localisation and quantification of individual mRNA molecules at the cellular level, the highly sensitive and specific Stellaris® RNA FISH probes from LGC Biosearch have simple protocols with no isolation, purification or amplification of RNA required.

Find out more: bioscience.co.uk/stellaris

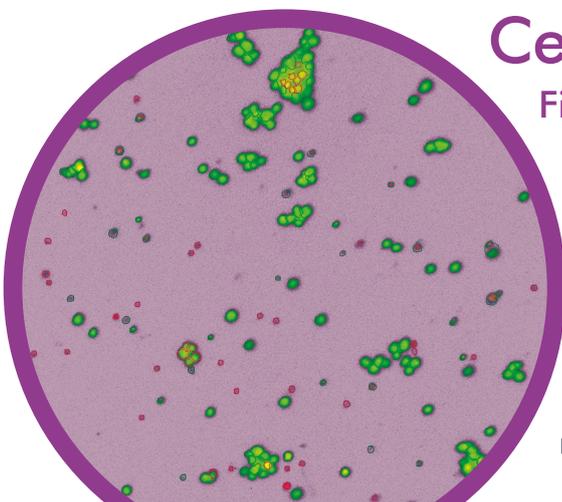


Cell counting

Find the perfect cell counter for your needs

Automated cell counters are designed to replace manual haemocytometer-based cell counting, offering enhanced throughput, accuracy and standardisation. With multiple methodologies available, selecting the most appropriate cell counter for your cell type or application is not a trivial task. Cambridge Bioscience have a broad range of cell counting systems available for evaluation and are therefore able to assist you in selecting the most suitable methodology for your specific cell counting needs.

Find out more: bioscience.co.uk/cell-counting



Call: 01223 316855

Email: support@bioscience.co.uk

Visit: bioscience.co.uk/products/cell-biology

