

Tools for Cancer Research



**As scientists, we are challenged to
discover better treatments and cure
for cancer patients.**

At In Vitro Technologies, we offer to
participate in your cancer research journey
by providing authenticated models, high
quality reagents and newer technologies to
answer previously unanswered questions.



R&D SYSTEMS
a biotechne brand

NOVUS
BIOLOGICALS
a biotechne brand

ACD
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 **Agilent Technologies**
Seahorse Bioscience

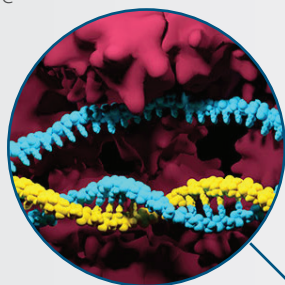
SEXTON
BIOTECHNOLOGIES

TOCRIS
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Credible Cancer Models

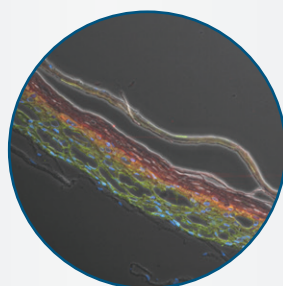
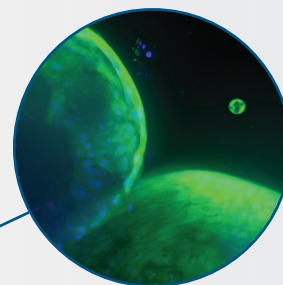
CRISPR/Cas9 Edited Cell Lines

- EML4-ALK Fusion A549 Isogenic Cell Line
- KRAS or NRAS Mutant A375 Isogenic Cell Line
- IDH1 or IDH2 Mutant Isogenic Cell Line



Primary and hTERT-Immortalised Primary Cells

- Human Airway, Renal, Epidermal, Mammary, and more
- Complete Growth Media and Supplements
- hTERT-immortalized Primary Cells



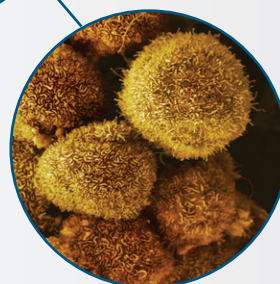
Custom Solutions

- Custom Cell Production and Manufacturing
- Cell Line Development
- Cell Line Authentication
- Biorepository Services



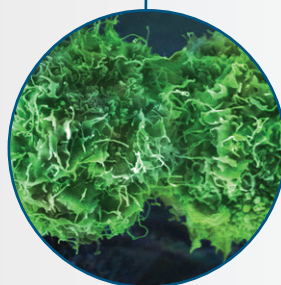
Next-Generation Organoids

- Advanced models such as organoids and CRCs
- All models are human-patient derived
- Models from primary, metastatic, and recurrent cancer
- Rare and pediatric cancers included



Tumour Cell Panel

- Tumor Panels by Genetic Alteration
- Tumor Panels by Tissue Type
- p53 Hotspot Mutation Cell Panels



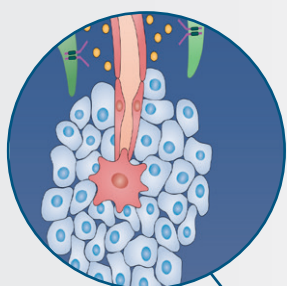
Cancer Cell Lines

Wide assortment of cancer cell lines from human tissues for in vitro investigation, including breast, prostate, lung, brain, pancreas, and colon.

Cell Manipulation

Small Molecule Modulators and Peptide

- Cancer metabolism
- Epigenetics in cancer
- Cell cycle and DNA repair
- Invasion and metastasis



Recombinant Proteins

- High purity and animal-free
- Lot-to-lot consistency
- High bioactivity
- Bulk available



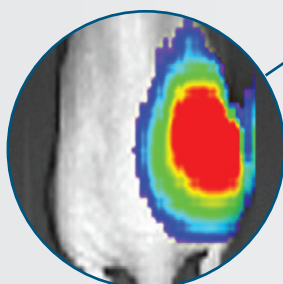
Media and Supplements

- Fetal bovine serum (FBS)
- Serum-free Tumoursphere media
- Human Platelet lysate



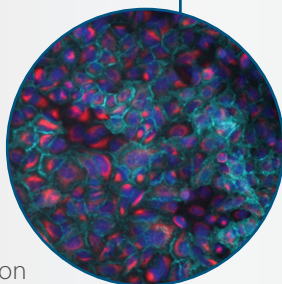
Real-Time Imaging of the Tumours

- Luciferase labelled cells
- Ideal for in vivo biological mechanism studies and drug development
- Quantifiable luciferase expression
- Derived from commonly used human and mouse cell lines
- Fully authenticated, versatile cell tools



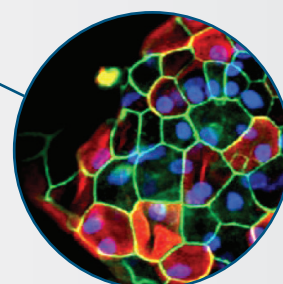
Epithelial-Mesenchymal Transition

- Ready-to-use reporter cell lines
- Vimentin-RFP fusion protein expression
- Strong RFP signal upon EMT induction
- Sensitive to EMT inhibitors



Cultrex® Basement Membrane Extract and Extracellular Matrices

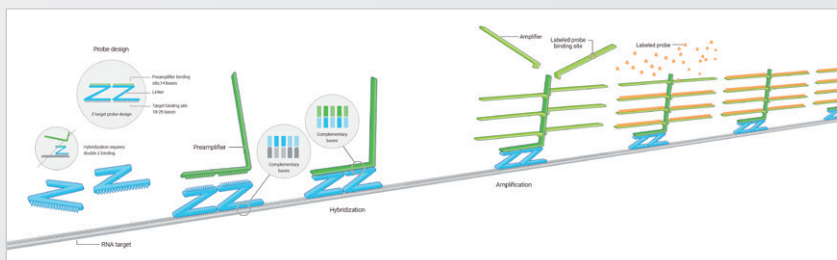
- Organoid qualified matrix
- Stem cell qualified matrix
- 3D culture matrix
- Extracellular Matrices



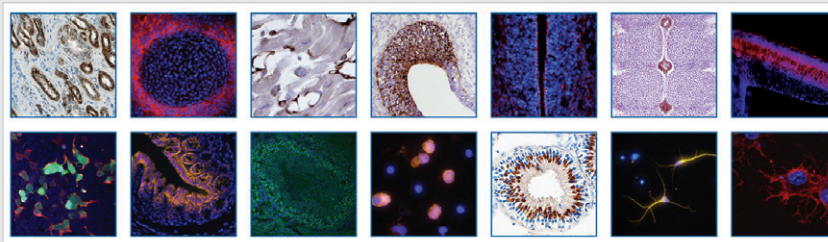
Cell Analysis

Investigate tumour heterogeneity and biomarker expression.
Spatial Profiling: ISH, IHC or Dual ISH-IHC

- **RNAscope**: for target >300 bases, **BaseScope**: for target 50-300 bases
- Any gene any species any tissue
- Single cell resolution, Single target detection
- Chromogenic or fluorescence, up to 12-plex

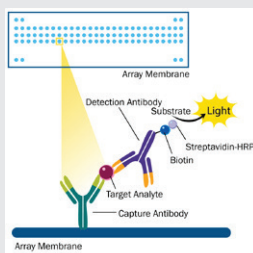


- **ICC & IHC** Qualified Antibodies
- Novus reward program and Risk-Free testing
- Over 34,000 IHC validated antibodies (Novus)
- Referenced in nearly 7,000 peer-reviewed publications (Novus)

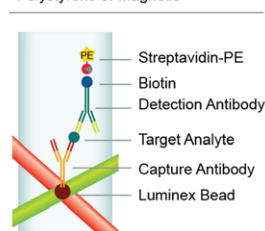


Biomarker Analysis

- **Proteome Profiler™** Antibody Arrays
- Most trusted, most published ELISAs: DuoSet or Quantikine
- Luminex multiplex assays



Polystyrene or Magnetic



Cellular Metabolism Seahorse Bioanalyzer

- Live-cell analysis: 2D or 3D plate options
- Real-time: allows kinetic measurements
- Label free, and validated kits and reagents

