



# Lonza



**PEPROTECH**  
Manufacturer of Quality Cytokine Products

## PRODUCT RANGE 2017-2018

### Clonetics™ Human/Animal + Hepatocytes Human/Animal Primary Cells and Media

- Animal cells & media – Mouse MEF, Neural. Rat: Neural – Aortic Smooth Muscle, Cardiac Myocytes, Retinal, Calvariae Osteoblasts
- Bladder – human cells & media
- Cardiac – human/animal cells & media
- Dermal – human cells & media
- Fibroblasts – human cells & media
- Large Vessel Endothelial – human cells & media
- Microvascular Endothelial – human cells & media
- Gastrointestinal – human cells & media
- Lymphatic - human cells & media
- Mammary Epithelial - human cells & media
- Neural – human/animal cells & media
- Ocular – human/animal cells & media
- Prostate - human cells & media
- Pulmonary - human cells & media (plus Diseased Asthma, COPD & diabetes Type I & II)
- Renal - human cells & media
- Reproductive - human cells & media
- Retinal Pigment Epithelial cells & media
- Skeletal & Connective Tissue – human/animal cells & media
- Skeletal Muscle - human cells & media
- ReagentPack optimised subculture reagents
- Hepatocytes/ADMETox – human/animal cells & media **NEW**

### Poietics™ Human Stem Cells, Immune Cells & Media

- Adipose-derived Stem Cells & Media
- Human Bone Marrow Stromal Cells
- Mononuclear Cells – bone marrow (human/murine/canine/baboon) & cord blood (human)
- CD34+ and CD133+ (bone marrow/cord blood/fetal liver) Progenitor Cells & Media
- CD34+ Differentiation Supplements
- Mesenchymal Stem Cells (human & rat) & Media
- Neural Progenitor Cells & Media, including MotorPlate™ Motor Neuron Progenitors
- Osteoclast Precursor Cells & Media
- Preadipocyte Cells (Visceral/Subcutaneous) & Media
- Mesenchymal Stem Cells (human/rat) & Growth/Differentiation Media
- Mouse Pluripotent Stem Cells & Media
- Dendritic Cells & Media, CD14+ Monocytes & Media, NK Cells, T-Cells/B-Cells & Media

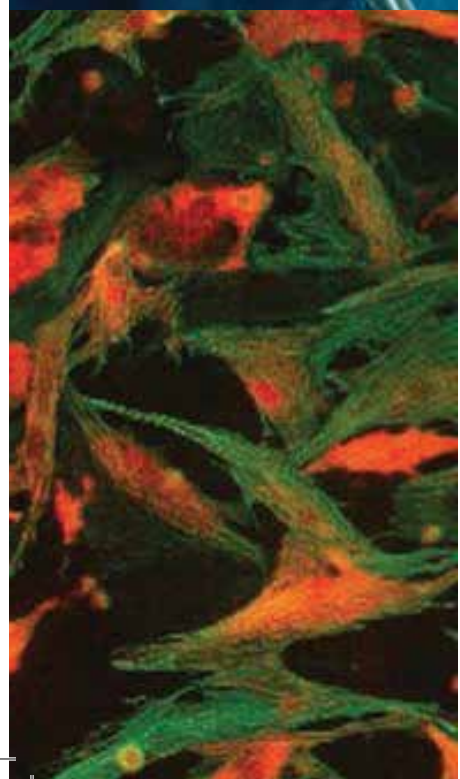
### CytoSMART™

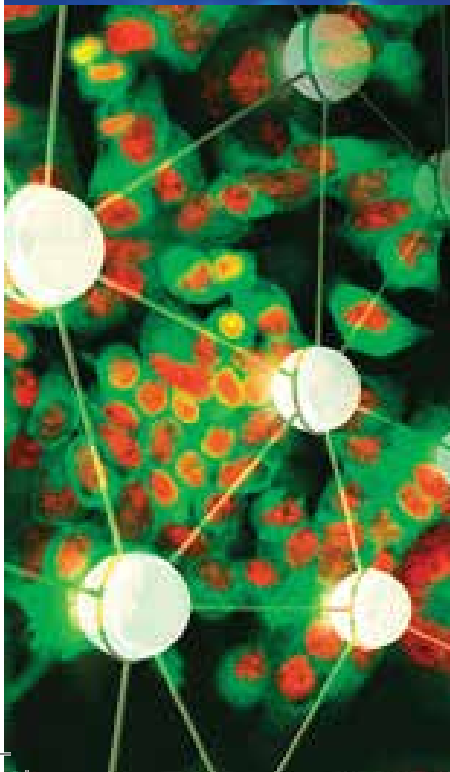
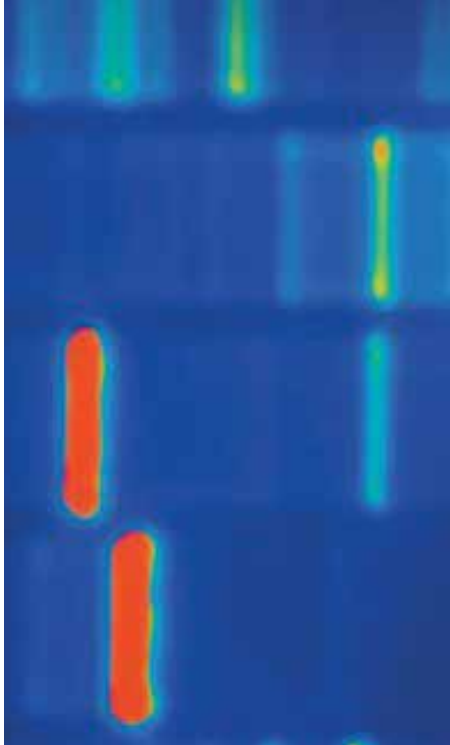
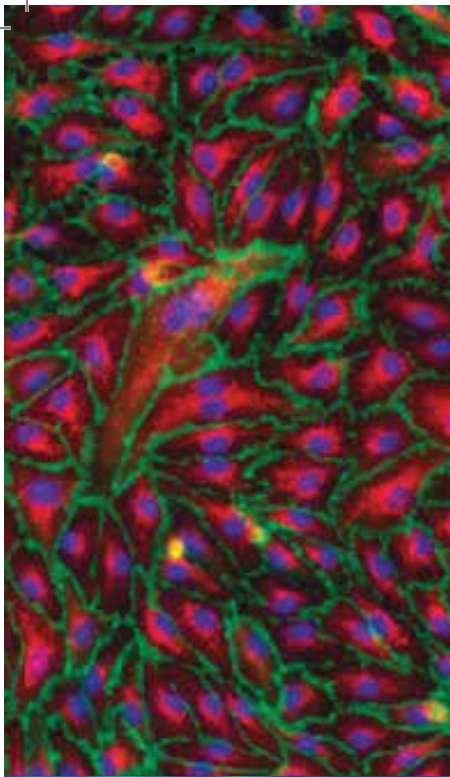
- Live Cell Imaging – small, easy and affordable

### Transfection - Nucleofector™ Technology

- Nucleofector™ Devices & Systems – 2b (single cuvette) & 4D (single cuvette/16-well strip)
- The Y unit – enabling adherent Nucleofection™ in 24-well culture plates
- Large-scale Transfection using the 4D-Nucleofector™ LV Unit – range of 1x10<sup>7</sup> to 1x10<sup>9</sup> cells **NEW**
- Nucleofector™ Kits for Primary Cells – blood, bone/cartilage, cardiac, dermal, endothelial, epithelial, fibroblasts, hepatocytes, neural, smooth muscle, stem cells
- Nucleofector™ Kits for Cell Lines & Parasites
- Cell & Transfection protocol database
- Citations database

### Mycoplasma Detection and Prevention

- MycoAlert™ Mycoplasma Detection Kit – 20min assay
  - MycoZap™ Mycoplasma Elimination Reagent & Antibiotics
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## BioAssays

- Cell Health – ViaLight™ (15min cell proliferation/cytotoxicity assay) & ToxiLight™ (10min non-destructive cytotoxicity assay)
- Cell Function
  - o PDELIGHT™ – <3min HTS cAMP dependent phosphodiesterase assay kit
  - o PPILight™ – 1hour inorganic pyrophosphate assay
  - o AdipoRed™ Assay Reagent – quantify intracellular lipid accumulation
  - o AdipoLyse™ - lypolysis detection assay
  - o OsteoAssay Human Bone Plate – measure osteoclastic bone resorption
  - o OsteoLyse (Human Collagen) Assay Kit – measure bone resorption in minutes
  - o OsteoImage™ Mineralisation Assay – rapid, fluorescent assay for bone mineralisation

## BioWhittaker™ Media, Reagents and Sera

- Classical Media – wide range including RPMI, DMEM
- L7™ hPSC Culture System after ProNSO CD PF Media
- BioWhittaker™ Specialty Media – TheraPEAK™ MSCGM-CD (Mesenchymal Stem Cell Growth Medium), General Purpose SF Media, X-VIVO™ CD SF Hematopoietic Media, CHO Expression Media, NAO Freezing Medium, Renal Cell Expression Medium, IVF Media, Cytogenetics Media, Hybridoma Media, Insect-XPRESS™ PF Insect Cell Medium, ProNSO CD PF Media
- BioWhittaker™ Cell Culture Reagents - Balanced Salt Solutions, Reagents, Antibiotics & Antimycotics, Buffers & Buffered Salines, Viral Serology.

## 3D Cell Culture System RAFT™

**NEW**

- 3D Cultures in less than an hour, 96 & 24 well formats

## Electrophoresis and Analysis

- Nucleic Acid Electrophoresis – agarose, markers, stains, buffers, gel support films, sequencing & mutation detection products
- Protein Electrophoresis – precast gels, protein markers, buffers, stains, agarose for protein separation.

## Rapid Testing Solutions (Endotoxin Detection)

- FDA-approved endotoxin detection assays, accessories & comprehensive technical support

## Lonza Bioresearch catalogue

- Available at [www.lonza.com/campaigns/bioresearch/catalog](http://www.lonza.com/campaigns/bioresearch/catalog)

## BioGems (A PeproTech Brand)

- ◆ Antibodies for Flow Cytometry, SAFIRE Functional antibodies, Conjugates, Isotype controls & Buffers
- ◆ Small Molecules – biologically active small non-peptide, organic compounds

## PeproTech® Recombinant Proteins

- ◆ Cytokines (Carrier Free, standard & animal-free)
- ◆ Growth factors & Cytokines
- ◆ Chemokines
- ◆ Neutrophines
- ◆ Proteases
- ◆ Other Proteins

## PeproGMP® Cytokine Products

**NEW**

- ◆ Human FGF-basic, Human Flt3-Ligand, Human IL-3, Human IL-6, Human SCF, Human TPO\*, \*available soon

## PeproTech® Detection Products

**NEW**

- ◆ Standard ELISA Development Kits
- ◆ Mini-ELISA Development Kits

## PeproTech® Antibodies

**NEW**

- ◆ Biotinylated Polyclonal antibodies
- ◆ Monoclonal antibodies
- ◆ Controls

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