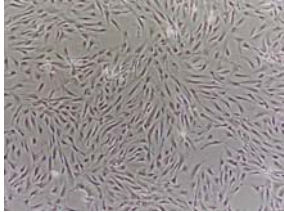

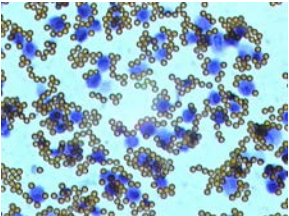
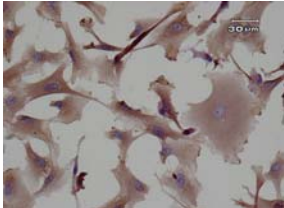
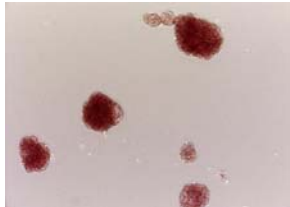
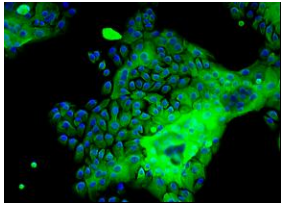
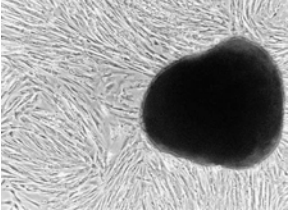
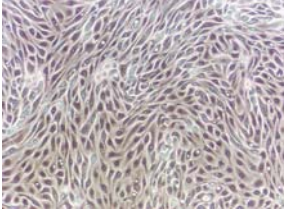
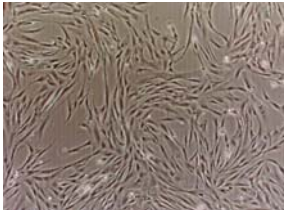



Examples of human primary cells available for PhaseZERO[®] studies

Human primary cells are typically isolated from fresh, non-diseased human tissue. As with all our PhaseZERO[®] studies, we welcome enquiries for custom cell isolations and development of bespoke cell-based assays.

Vascular	<ul style="list-style-type: none"> ▪ Aortic endothelial cells (hAEC) ▪ Umbilical artery smooth muscle cells (hUASM) ▪ Umbilical vein endothelial cells (hUVEC) ▪ Pulmonary artery smooth muscle cells ▪ Cerebral artery endothelial cells 	<p>pulmonary artery smooth muscle cells</p> 
Circulatory & Inflammation	<ul style="list-style-type: none"> ▪ Peripheral blood mononuclear cells (PBMC) ▪ Lymphocytes ▪ Monocytes ▪ Neutrophils ▪ Eosinophils ▪ Lymphocyte subsets (CD4 / CD8 / B cells) ▪ Platelets ▪ Synovial fibroblasts (from non-diseased, RA & OA patients) ▪ Chondrocytes (from non-diseased, RA & OA patients) 	<p>synovial fibroblasts</p> 
Respiratory	<ul style="list-style-type: none"> ▪ Alveolar type II cells ▪ Alveolar macrophages ▪ Bronchial epithelial cells ▪ Bronchial smooth muscle cells ▪ Fibroblasts 	<p>alveolar macrophages</p> 
Liver	<ul style="list-style-type: none"> ▪ Hepatocytes ▪ Stellate cells 	<p>stellate cells stained with vimentin</p> 
Pancreas	<ul style="list-style-type: none"> ▪ Islets 	<p>pancreatic islets stained with dithizone</p> 

Skin	<ul style="list-style-type: none"> ▪ Keratinocytes ▪ Mast cells ▪ Fibroblasts 	<p>keratinocytes stained with cytokeratin/ DAPI</p> 
Gastrointestinal	<ul style="list-style-type: none"> ▪ Colon smooth muscle cells 	<p>colon smooth muscle cells from explant</p> 
Genitourinary	<ul style="list-style-type: none"> ▪ Bladder detrusor smooth muscle cells ▪ Kidney proximal tubule cells ▪ Prostate fibroblasts 	<p>kidney proximal tubule cells</p> 
Reproductive	<ul style="list-style-type: none"> ▪ Myometrium smooth muscle cells ▪ Mammary fibroblasts 	<p>myometrium smooth muscle cells</p> 
Ocular	<ul style="list-style-type: none"> ▪ Lens epithelial cells ▪ Retinal pigment epithelial cells 	<p>retinal pigment epithelial cells</p> 
Oncology	<ul style="list-style-type: none"> ▪ Carcinoma associated fibroblasts (tumor stroma & adjacent tissue) <ul style="list-style-type: none"> Prostate Breast Lung ▪ Tumor epithelial cells <ul style="list-style-type: none"> Colon Breast Lung 	<p>lung tumor epithelial cells</p> 