

# Primary cells and other tools for *in vitro* ADME-Tox

Let Lonza be your main partner when developing the next generation of innovative, *in vitro* ADME-Tox testing tools. With decades of primary cell experience and one-on-one support, we offer a large selection of high quality primary cells. With that, we'll help you realize your vision for more clinically predictive *in vitro* tools as the future foundation for development of safer and more effective drugs.

	Primary Cell Description	Catalog #	
Pharmacokinetics and Bioactivation	Human Hepatocytes - General Purpose	HUCPG	
	Human Hepatocytes - Interaction Qualified	HUCPI	
	Human Hepatocytes - Suspension Single Donor	HUCSD	
	DonorPlex™ Human Hepatocytes - Suspension 10 Donor	HUCS10P	
	DonorPlex™ Human Hepatocytes - Suspension 20 Donor	HUCS20P	
	Cynomolgous Hepatocytes - Suspension	CYCS01-C	
	Cynomolgous Hepatocytes - Plateable	CYCP01-C	
	Mouse C57BL/6 Hepatocytes - Suspension	MBCP01	
	Mouse C57BL/6 Hepatocytes - Plateable	MBCS01	
	Primary Hepatocytes	Mouse CD-1 Hepatocytes - Suspension	MCCP01
		Mouse CD-1 Hepatocytes - Plateable	MCCS01
		Rat (SD) Hepatocytes - Suspension	RSCP01
		Rat (SD) Hepatocytes - Plateable	RSCS01
		Rat (Wistar Hannover) Hepatocytes - Suspension	RWCP01
		Rat (Wistar Hannover) Hepatocytes - Plateable	RWCS01
		Rat (Wistar) Hepatocytes - Suspension	RICP01
		Rat (Wistar) Hepatocytes - Plateable	RICS01
		Dog (Beagle) Hepatocytes - Suspension	DBCP01
		Dog (Beagle) Hepatocytes - Plateable	DBCS01
	Human Liver Microsomes	Silensomes™ CYP2C8 with Control	SIL250K
Silensomes™ CYP1A2 with Control		SIL210K	
Silensomes™ CYP2A6 with Control		SIL220K	
Silensomes™ CYP2B6 with Control		SIL230K	
Silensomes™ CYP2C9 with Control		SIL260K	
Silensomes™ CYP2D6 with Control		SIL240K	
Silensomes™ CYP3A4 with Control		SIL200K	
Silensomes™ Master Control		SIL000	
Silensomes™ CYP Phenotyping Kit		SIL-MCPNL	
Hepatocyte Cell Lines		NoSpin HepaRG™ Cells	NSHPRG
Kidney Cells	Cortical epithelial cells	CC-2554	
	Renal epithelial cells	CC-2556	
	Renal proximal tube epithelial cells	CC-2553	

	Primary Cell Description	Catalog #	
<b>Absorption Modelling</b>	<b>Lung Cells</b>	Bronchial/Tracheal epithelial cells with retinoic acid	CC-2547
		Bronchial/Tracheal epithelial cells without retinoic acid	CC-2540
		Small airway epithelial cells	CC-2541
	<b>Skin Cells</b>	Adult dermal fibroblasts	CC-2511
		Epidermal keratinocytes, Adult	CC-2509
		Epidermal keratinocytes, Neonatal	192627
		Epidermal keratinocytes, Neonatal pooled	192907
Neonatal dermal fibroblasts		192906	
<b>Mechanistic Toxicity</b>	<b>Nervous System Cells</b>	Mouse Brain CD1 Hippocampus Neurons	R-CX-500
		Mouse C57 Brain Cortex Neurons	M-CX-400
		Mouse CD1 Brain Cortex Neurons	M-CX-300
		Rat Brain Cortex Neurons	R-HI-501
		Rat Brain Hippocampus Neurons	M-HI-401
		Rat Microglia	R-G-535
	<b>Intestinal Cells</b>	Intestinal epithelial cells	CC-2931
<b>Liver Cells</b>	Human and animal hepatocytes	[See Pharmacokinetics and Bioactivation]	
	Human Liver NPC cells	HUCNP	
	Human Stellates 1e <sup>5</sup> per vial	HUCLS	
	Human Stellates 1e <sup>6</sup> per vial	HUCLS1	
	Human Kupffer Cells	HLKC	
<b>Kidney Cells</b>	Human liver-derived endothelial cells	HLECP2	
	Cortical epithelial cells	CC-2554	
	Renal epithelial cells	CC-2556	
<b>Lung Cells</b>	Renal proximal tube epithelial cells	CC-2553	
	Human airway epithelial cells	[See Absorption Modelling]	
	Bronchial smooth muscle cells	CC-2576	
<b>Skeletal Muscle Cells</b>	Lung microvascular endothelial cells	CC-2527	
	Skeletal muscle cells	CC-2580	
<b>Vascular Cells</b>	Skeletal muscle myoblasts	CC-2561	
	Aortic endothelial cells	CC-2535	
	Aortic smooth muscle cells	CC-2571	

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HLECP2 and HLKC cells are manufactured by Samsara Sciences, Inc., San Diego, CA.

NoSpin HepaRG™ Cells and Silensomes™ HLM are produced by Biopredic International.

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