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PLATEABLE HUMAN CRYOPRESERVED HEPATOCYTE INVENTORY

Plateable Metabolism Qualified - Minimum 5 Million Viable Cells Per Vial - Catalog Number HUCPM

Lot Data	Donor Demographics				Post-Thaw Assessment			Intrinsic Clearance (Cl_{int}) (µL/min/10^6 cells)		
Lot #	Gender	Race	Age	BMI	Viability	Yield (Million cells/vial)	24-well Monolayer Confluency	CYP2C9	CYP2D6	CYP3A4
HUM4012	Male	Caucasian	54	29	86%	5.0	86%	0**	1.7	4.3

Plateable Induction Qualified - Minimum 5 Million Viable Cells Per Vial - Catalog Number HUCPI

Lot Data	Donor Demographics				Post-Thaw Assessment			Fold Induction (Specific Activity)			Fold Induction (mRNA)		
Lot #	Gender	Race	Age	BMI	Viability	Yield (Million cells/vial)	24-well Monolayer Confluency	CYP1A2	CYP2B6	CYP3A4	CYP1A2	CYP2B6	CYP3A4
HUM4055A	Female	Caucasian	54	26	95%	6.1	100%	28.8	18.5	7.7	15.4	13.4	12.2
HUM4055B	Female	Caucasian	54	26	95%	6.1	100%	22.8	19.6	4.7	14.2	6.7	9.6
HUM4055C	Female	Caucasian	54	26	95%	5.0	100%	21.8	15.3	4.7	6.5	8.1	12.7
HUM4056B	Male	African American	55	29	80%	8.5	100%	TBD	TBD	TBD	19.6	13.5	58.0
HUM4094	Male	Caucasian	15	23	85%	5.3	95%	53.6	147.2	34.1	27.5	22.6	21.2
HUM4097B	Female	Caucasian	53	35	94%	5.0	95%	86.4	6.0	16.2	29.5	5.4	11.4
HUM4098	Male	Caucasian	24	23	89%	5.6	95%	TBD	TBD	TBD	13.8	6.6	78.4
HUM4104	Male	Hispanic	17	21	80%	6.7	100%	31.2	35.3	40.9	56.6	13.8	64.4
HUM4105A	Male	Caucasian	45	24	91%	8.0	100%	19.4	5.0	37.0	62.5	29.0	16.3
HUM4105B	Male	Caucasian	45	24	87%	7.3	90%	TBD	TBD	TBD	42.7	30.6	180.4
HUM4108	Female	African American	42	35	93%	7.0	90%	32.4	29.8	24.8	211.1	28.5	34.9
HUM4111A	Male	Caucasian	27	32	89%	7.4	95%	45.0	15.6	27.3	78.1	44.0	54.7
HUM4111B	Male	Caucasian	27	32	88%	9.7	100%	35.8	20.0	8.9	17.8	16.6	15.8
HUM4113	Male	Caucasian	29	28	90%	9.5	95%	21.4	21.9	29.5	89.5	18.8	158.4
HUM4115B	Female	Caucasian	15	19	85%	12.2	90%	19.5	27.9	45.5	115.9	9.5	61.9
HUM4118	Male	Caucasian	3	17	82%	10.0	95%	30.8	18.4	8.9	69.6	14.5	15.8
HUM4122A	Male	Asian	35	31	93%	9.0	100%	45.3	34.4	20.6	139.7	10.6	18.6
HUM4122B	Male	Asian	35	31	92%	8.8	100%	34.4	53.9	37.3	61.7	6.6	137.7
HUM4125	Female	Caucasian	14 mo	N/A	89%	8.1	95%	43.2	74.5	20.5	29.2	11.2	81.9
HUM4129	Male	Caucasian	5 mo	16	88%	9.1	95%	19.7	31.9	37.2	18.8	6.0	45.7
HUM4133	Female	Caucasian	45	21	91%	5.8	90%	30.1	55.2	18.9	TBD	TBD	TBD
HUM4145	Male	Caucasian	20 mo	16	98%	5.8	100%	29.2	14.1	9.2	337.0	18.8	13.5
HUM4152	Male	Caucasian	18	24	82%	6.9	90%	29.3	30.2	23.3	261.0	21.4	61.5
HUM4167	Female	Caucasian	12	21	94%	6.2	100%	TBD	TBD	TBD	56.8	29.2	5.6
HUM4182	Male	Caucasian	55	38	83%	10.0	95%	26.0	29.0	6.0	TBD	TBD	TBD
HUM4190	Male	Caucasian	26	22	81%	7.2	90%	23.0	11.0	6.0	TBD	TBD	TBD
HUM4191	Male	Caucasian	27	31	91%	5.8	100%	16.1	11.4	53.6	496.0	15.9	77.6
HUM4192	Female	Asian	16	16	88%	10.0	85%	56.1	32.2	67.4	77.0	31.0	27.9
HUM4198	Male	Caucasian	3	14	88%	7.7	95%	53.0	86.0	27.0	TBD	TBD	TBD

Plateable Qualyst Transporter Certified™ - Minimum 5 Million Viable Cells Per Vial - Catalog Number HUCPQ

Lot Data	Donor Demographics				Post-Thaw Assessment			Transporter Activity
Lot #	Gender	Race	Age	BMI	Viability	Yield (Million cells/vial)	24-well Monolayer Confluency*	These lots have been certified by Qualyst Transporter Solutions for uptake and efflux transporter activity and use in the B-Clear® Assay. Please contact customer service, or visit our online inventory, for data sheets on these lots.
HUM4061B	Female	Hispanic	44	30	89%	3.2	100%	
HUM4075B	Male	C	38	15	87%	6.6	100%	
HUM4122D	Male	Asian	35	31	88%	5.3	100%	

**This value does not meet TRL guidelines

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SUSPENSION HUMAN CRYOPRESERVED HEPATOCYTE INVENTORY

Suspension Qualified - Minimum 5 Million Viable Cells Per Vial - Catalog Number HUCSD

Lot Data	Donor Demographics				Post-Thaw Assessment		ECOD (pmol/min/10^6 cells)			
							Phase I Metabolism - Dose Substrate 7-EC		Phase II Metabolism - Dose Substrate 7-HC	
Lot #	Gender	Race	Age	BMI	Viability	Yield (Million cells/vial)	7-EC Disappearance	7-HC Formation	7-HCS Formation	7-HCG Formation
HUM4024	Male	Caucasian	77	26	86%	5.0	28.5		24.4	332.5
HUM4030	Male	Caucasian	75	28	93%	6.1	365.7		25.2	135.0
HUM4033	Male	Caucasian	36	33	89%	9.0	133.4		19.9	79.5
HUM4035	Female	Caucasian	51	33	90%	8.1	261.6		6.4	84.8
HUM4048	Female	Caucasian	43	23	88%	7.5	1183.8		60.0	1038.0
HUM4050	Female	Caucasian	42	29.1	85%	7.4	847.6		35.8	1023.8
HUM4052	Female	African American	48	24.4	87%	5.0	1273.3		16.3	942.3
HUM4058	Female	Caucasian	67	28	86%	5.4	383.2		10.2	95.8
HUM4064A	Female	Caucasian	48	36	80%	5.0	838.0		29.2	1981.0
HUM4064B	Female	Caucasian	48	36	85%	6.0	1202.0		46.2	1118.0
HUM4068	Male	Caucasian	56	28.1	91%	4.2	791.0		46.3	905.0
HUM4069C	Male	Caucasian	30	25	85%	5.1	2560.0		44.0	650.0
HUM4083	Female	Caucasian	46	28	86%	5.5	916.0		14.1	622.7
HUM4092	Male	Hispanic	21	31	92%	2.8	796.5		18.3	101.3
HUM4103	Female	African American	16 months	15	82%	4.0	1202.4		22.4	69.4
HUM4131B	Female	Caucasian	48	24	88%	7.4	1046.3		22.6	460.7

Suspension Qualified - 10-donor Pooled Human - Minimum 5 Million Viable Cells Per Vial - Catalog Number HUCS10P

Lot Data	Donor Demographics				Post-Thaw Assessment		ECOD (pmol/min/10^6 cells)			
							Phase I Metabolism - Dose Substrate 7-EC		Phase II Metabolism - Dose Substrate 7-HC	
Lot #	Gender	Race	Age	BMI	Viability	Yield (Million cells/vial)	7-EC Disappearance	7-HC Formation	7-HCS Formation	7-HCG Formation
HUP1000	Mixed	N/A			90%	5.4	856.7		27.5	317.8
HUP1002	Male	N/A			83%	5.0		18.7	31.4	470.2

Suspension Qualified - 20-donor Pooled Human - Minimum 5 Million Viable Cells Per Vial - Catalog Number HUCS20P

Lot Data	Donor Demographics				Post-Thaw Assessment		ECOD (pmol/min/10^6 cells)			
							Phase I Metabolism - Dose Substrate 7-EC		Phase II Metabolism - Dose Substrate 7-HC	
Lot #	Gender	Race	Age	BMI	Viability	Yield (Million cells/vial)	7-EC Disappearance	7-HC Formation	7-HCS Formation	7-HCG Formation
HUP2000	Mixed	N/A			77%	6.5	889.2		50.4	871.6