BD Gentest™ Inducible-Qualified Cryopreserved Human Hepatocytes - Donors Available as of July 7, 2011

Donor availability may change and differ from this chart. Call your local BD Representative for the latest information.

										Metabolizing Enzymes (pmol/min/10^{e6} cells)								
BD Lot No.	Donor No.	Gender	Age (years)	Race	Cause of Death	Smoker	Medical History	% Viability Post Thaw-High Viability Recovery	Recovery Post Thaw (Cells/vial x 10^6)	Phenacetin O-Deethylation CYP1A2	Amodiaquine *N*-Demethlyation CYP2C8	Diclofenac 4'-Hydroxylation CYP2C9	Bufuralol 1'-hydroxylation CYP2D6	Testosterone 6β-Hydroxylation CYP3A4	AZT-Glucuronidation UGT2B7	7-Hydroxy-Coumarin (7-HC) Glucuronidation UGT	Fold Induction 3A4	Fold Induction 1A2
Cat. No. 454550 2-5 Million cells/vial (for plated assays)																		
118	HH199	M	42	C	Head Trauma	Y	Healthy	87%	4.9	80	ND	260	16	990	ND	450	13	<2
170	HH253	F	63	C	CVA	Y	Hypertension	86%	3.5	50	330	370	25	670	260	610	5	2
258	HMC414	M	53	C	Head Trauma	N	Seizures	86%	3.9	140	190	160	34	850	240	340	4	<2
261	HMC417	M	20	C	Head Trauma	Y	Anti-Malaria meds	77%	5.0	200	310	480	40	490	230	360	11	7
262	HFC418	F	16	AA	Head Trauma	N	Healthy	95%	6.4	ND	67	75	24	330	10	190	24	31
264	HFC422	F	45	C	Head Trauma	Y	Healthy	91%	7.2	ND	120	270	11	65	95	240	100	10
277	HFC438	F	41	C	Anoxia 2nd to Cardiovascular	Y	Hypertension x 3 yrs, migraines, diabetes x 10 yrs med-compliant, H-pylori.	89%	7.0	85	66	72	11	65	180	820	57	21
290	HFC460	F	69	C	Anoxia	Y	Skin cancer 5 yrs ago, mild sleep apnea	84%	4.8	75	120	350	40	280	190	ND	45	18
299	HFH471	F	20	H	Head Trauma 2nd to blunt injury	Y	Healthy	90%	3.8	37	690	210	68	360	750	680	6	9
309	HMC486	M	69	C	CVA 2nd to ICH	Y	COPD, Emphysema, Hypertension med-compliant, Diabetes med-compliant	88%	4.4	ND	ND	ND	ND	ND	ND	ND	67	18
Cat. No. 454551 > 5 Million Cells/vial (for plated assays)																		
94	HH177	M	13	H	Brain Tumor	N	Brain Tumor	83%	5.1	7	ND	190	8	79	ND	44	9	18
106	HH187	M	58	C	CVA	Y	Hypertension	92%	5.3	66	TBD	220	18	290	TBD	71	23	14
107	HH188	F	55	C	CVA	N	Diabetes	81%	6.2	55	ND	69	14	320	ND	66	8	9
141	HH223	M	3 months	C	Anoxia	N	Esophageal Atresia	88%	14.9	0	110	89	17	51	38	140	5.4	4.8
147	HH229	M	60	C	Head Trauma	Y	Exposed to Agent Orange During Vietnam War. Depression. Minor CVA in 1997. Hypertension Med-Compliant.	82%	7.1	0	130	90	ND	50	130	580	31.6	0.974
166	HH248	F	71	C	Head Trauma	Y	Minor Stroke, Kidney Stent	93%	7.9	30	110	320	10	250	60	380	7.5	39
178*	HH261	F	58	C	Stroke/CVA	Y	Whipples Disease	90%	7.6	40	170	310	27	49	93	420	160	18
195	HF284	F	2	H	MVA	N	Healthy	90%	9.4	9.8	110	250	11	33	79	280	140	7
208	HF322	F	15	C	Head Trauma-MVA	N	Healthy	74%	13	9.8	50	150	13	95	41	80	160	38
226	HF373	F	5 months	C	Stroke	N	Healthy	80%	17.3	38	88	840	6.7	63	83	200	40	8.3
228	HF382	F	43	C	Stroke	Y	Hypertension, Peripheral Artery Disease	90%	7.5	51	220	290	30	270	180	600	15	17
246	HMCP402	M	4	C	Anoxia / Asphyxiation	N	None	86%	12.9	23	31	170	18	31	220	170	27.6	45.4
260	HMAAP416	M	5	AA	ICH-Stroke	N	Healthy	90%	10.1	120	92	76	22	370	77	270	19	<2
266	HMC424	M	64	C	ICH-Stroke	Y	Respiratory/Hypertension/Cardiac Disease	88%	6.9	47	48	600	34	300	210	530	7.7	<2
267	HFC425	F	63	C	Anoxia 2nd to Cardiovascular	Yes, but quit 24 years ago.	Asthma and Diverticulitis.	83%	6.5	14	510	1030	25	89	130	350	47	34
271	HMC429	F	64	C	Anoxia	N	Anoxia	88%	7.9	ND	24	130	0.4	310	360	160	22	<2
276	HFAA437	F	59	AA	ICH-Stroke	Y	Hypertension	90%	8.0	210	310	430	40	420	230	160	64	<2
279	HMC440	M	28	C	Anoxia	Y	Seizure Activity	81%	7.3	22	30	140	4	65	78	180	50	ND
281	HFC443	F	49	C	CVA	Y	Appendix Removed at Age 5	90%	7.7	120	67	460	13	1100	350	240	23	21
285	HMC451	M	61	C	CVA 2nd to ICH	Y	Hypertension x 5 years Med-Compliant, Spinal Stenosis, HTN, BPH, Restless Legs Syndrome, Appendectomy, High Cholesterol	95%	7.7	130	310	270	31	330	390	ND	69	46
288	HMC455	M	58	C	Anoxia	Y	Hypertension x 12 yrs, CABG x 5 yrs, Stents-Cardiac, Carotid & Kidney, Dialysis	79%	7.8	7.7	190	400	16	410	177	ND	36	9.3
295	HFC466	F	41	C	Anoxia 2nd to Carbon Monoxide Inhalation	Y	Healthy	90%	6.4	59	170	370	29	110	300	390	43	15
296	HMC467	M	17	C	Anoxia 2nd to Choking	N	History of Duchene's Muscular Dystrophy	91%	8.9	46	450	300	50	440	560	420	35	16
302	HMC475	M	33	C	ICH-Stroke	Y	Juvenile Diabetes Type 1, MI and CABG x 4 yrs, ESRD Hemodialysis 4 Times a Week	81%	5.4	ND	ND	ND	ND	ND	ND	ND	43	16
303	HFC476	F	52	C	ICH-stroke	N	None.	89%	5.4	ND	ND	ND	ND	ND	ND	ND	44	31
304	HMC478	M	64	C	ICH-stroke	N	None.	90%	8.4	ND	ND	ND	ND	ND	ND	ND	16	42
310	HMC491	M	18	C	MVA	Y	None.	94%	11.0	ND	ND	ND	ND	ND	ND	ND	67	17

* **Note:** ND = not determined.

P450 Induction Assays

P450 Induction	Inducer	Reaction
CYP1A2	20 µM β-	Phenacetin O-Deethylation
CYP2B6	Phenobarbital	Bupropion Hydroxylase
CYP3A4	20 µM Rifampicin	Testosterone 6β-Hydroxylation

Race Key
C: Caucasian
AA: African American
A: Asian
H: Hispanic
NA: Native American

After 24 hours of reattachment, cells were induced with either 20 µM Rifampicin or 20 µM β-Napthoflavone every 24 hours over a three-day period.
Enzyme assays were conducted on day 5. Incubations were performed in Krebs Henseleit Buffer with the appropriate P450 substrate.

Cells were recovered and plated using the BD Gentest high viability cryohepatocyte recovery kit (cat. no. 454534).

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F08T169r16