



**InVitroCYP™ H-class 10-donor Mixed Gender Pooled
Human Liver Microsomes, 20 mg**

Product Number: X008062

Lot Number SMX **Storage Conditions** -70°C

Test Results

Specification	Result
20-26 mg/mL protein concentration	24.5 mg/mL
≥0.300 nmol/mg total P450 concentration	0.301 nmol/mg

Lot Characterization Results

Assay	Result
Rate at K _m concentration	
ECOD: total rate of formation of 7-HC and metabolites	420 pmol/min/mg
UGT:	
rate of formation of 7-hydroxycoumarin glucuronide	2015 pmol/min/mg
CYP1A2: rate of formation of acetaminophen	439 pmol/min/mg
CYP2A6: total rate of formation of 7-HC and metabolites	453 pmol/min/mg
CYP2B6: rate of formation of hydroxybupropion	479 pmol/min/mg
CYP2C8: rate of formation of desethylamodiaquine	851 pmol/min/mg
CYP2C9: rate of formation of 4'-methylhydroxytolbutamide	175 pmol/min/mg
CYP2C19: rate of formation of 4'-hydroxymephenytoin	39.5 pmol/min/mg
CYP2D6: rate of formation of dextrophan	88.7 pmol/min/mg
CYP2E1: rate of formation of 6-hydroxychlorzoxazone	372 pmol/min/mg
CYP3A4:	
rate of formation of 6β-hydroxytestosterone	2236 pmol/min/mg
rate of formation of 1-hydroxymidazolam	554 pmol/min/mg

Caution: This product was prepared from fresh human tissue. Treat all products containing human-derived materials as potentially infectious, as no known test methods can offer assurance that products derived from human tissues will not transmit infectious agents.

These products are for research use only. Do not use in animals or humans. These products have not been approved for any diagnostic or clinical procedures.



Donor Demographics, as reported to Celsis In Vitro Technologies

Gender	Age	Race	Cause of death	Height	Weight	Social history	Medical history	Serology testing					
								EBV	RPR	CMV	Hepa- titis B	Hepa- titis C	HIV
F	58	C	CVA	65"	88 Kg	ETOH: 1-2 drinks/yr; tobacco: 1-2ppd x 30yrs - quit 10 yrs ago	Heterozygous leiden factor 5 deficiency, HTN x 5yrs, multiple fractures and sxs - cervical, clipped nerve, shoulder, thumb, lumbar infusion, knee replacement, pituitary adenoma, Pos TB skin test - not sure when cleared. Some type of hepatitis after meno., prior cellulitis. Meds: vitamins, neurontin, lynca, vicodin, docazosin, deflucan, coumadin, DVT's, fluoxetine, zocov, zetia.	Not reported	Neg	Pos	Neg	Neg	Neg
F	73	C	Stroke	66"	74 Kg	No ETOH; Tobacco - quit 37 yrs ago	HTN, GERD	Not reported	Neg	Pos	Neg	Neg	Neg
F	64	C	SAH	66"	75 Kg	No ETOH, Tobacco - quit 20 yrs ago	HTN (uncontrolled), rheumatic fever when young	Not reported	Neg	Pos	Neg	Neg	Neg
F	46	C	CVA	65"	77 KG	Tobacco: 1 ppd x 25 yrs	CAD, COPD, HTN, MI, Mass in Left Lung- Calcified Granuloma	Not reported	Neg	Pos	Neg	Neg	Neg
F	68	C	Aneurysm	68"	85 Kg	No ETOH or Tobacco use	Hyperthyroidism, pituitary gland tumor removed, high cholesterol. Meds: Synthroid	Not reported	Neg	Pos	Neg	Neg	Neg
M	46	C	SIGSW to head	69"	91 Kg	ETOH-Heavy-Vodka Everyday; Tobacco: <1ppd x 2 yrs; Occasional Chewless Tobacco	HTN-non compliant	Not reported	Neg	Pos	Neg	Neg	Neg
M	79	C	Fell hard on his head; 2nd to bleed	177 CM	77 Kg	ETOH: quit 25 yrs ago; Tobacco: chew every day x 70 yrs	HTN x 60 yrs	Not reported	Neg	Neg	Neg	Neg	Neg

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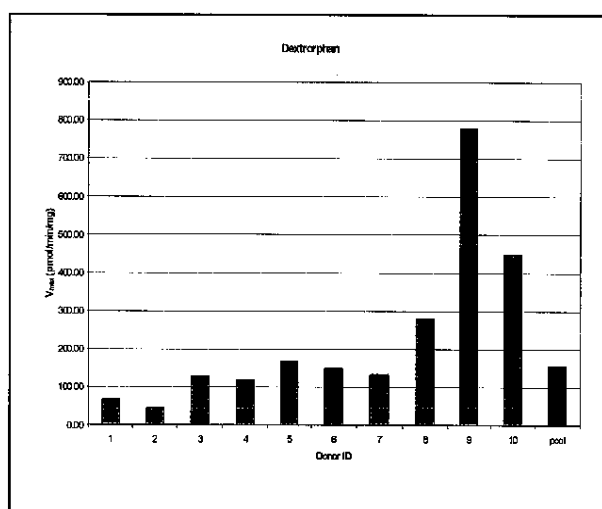
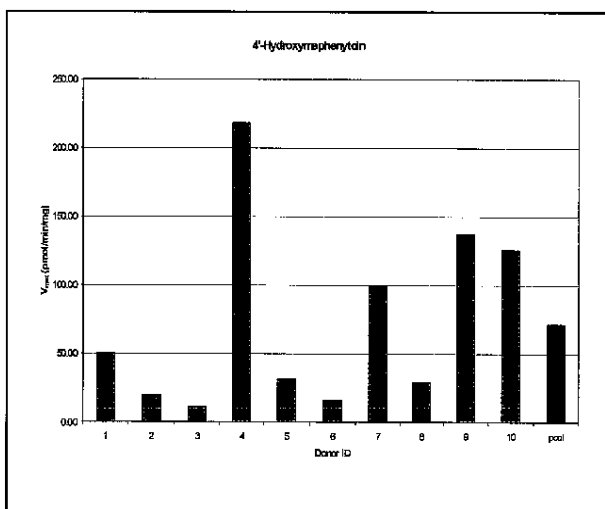
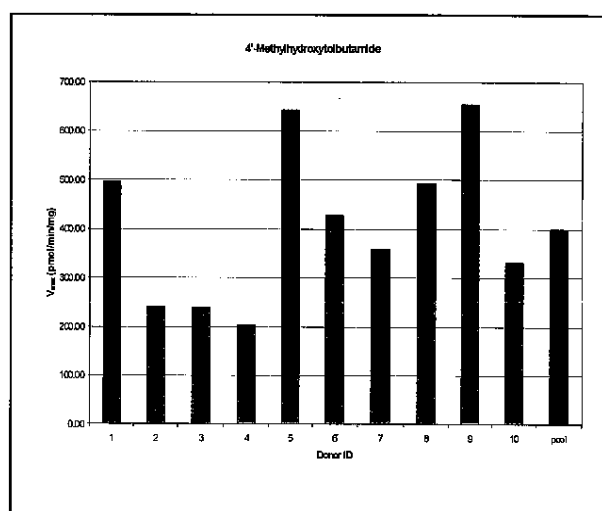
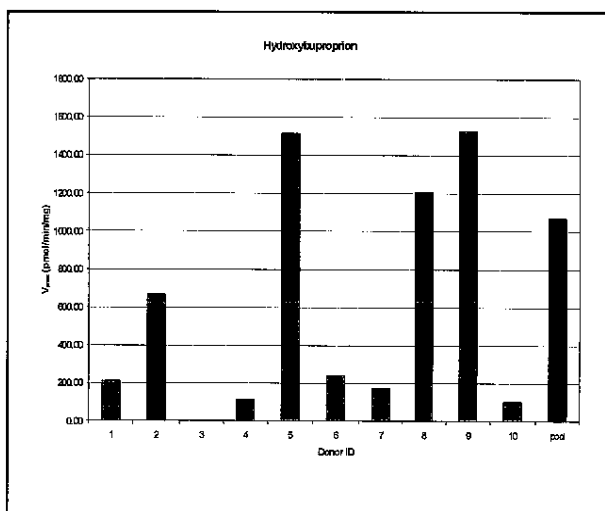
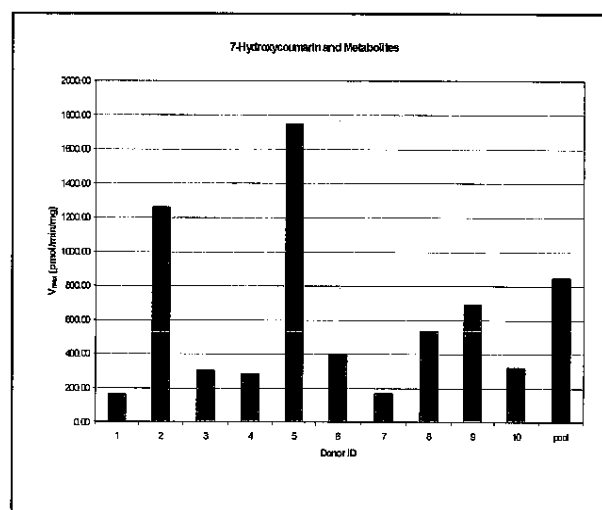
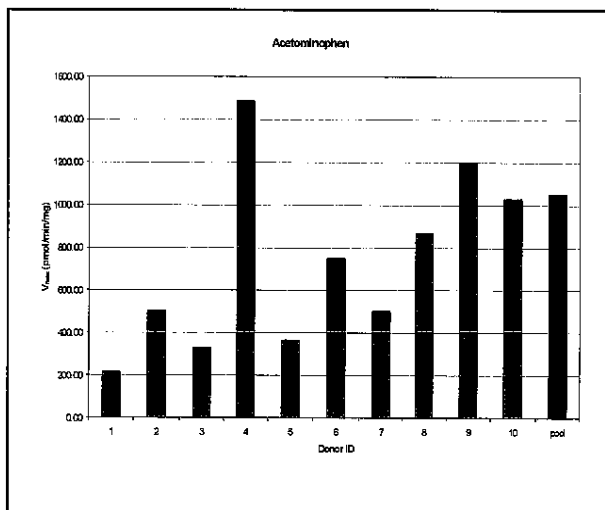
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M	37	B	CVA	70"	138Kg	ETOH: socially; No tobacco or drug use.	Obesity; Meds: vitamins Asthma, 38 ischemic time from pronouncement to flush; Cocaine - positive on admit; Meds: Vicoden, IV steroids	Not reported	Neg	Neg	Neg	Neg	Neg
M	25	C	Head Injury; 2nd to MVA	70"	100 Kg	No ETOH or Tobacco use	CHF, Afib, DVT, bypass, HTN - compliant, asthma, kidney disease, NIDDM, thyroid disease, arthritis in ankle. Meds: Coumadin,	Pos	Neg	Pos	Neg	Neg	Neg
M	59	C	CVA	74"	376 lb	ETOH, Tobacco & Marijuana - quit 7 years ago	Albuterol, meds for HTN, Hydrozin	Not reported	Neg	Neg	Neg	Neg	Neg

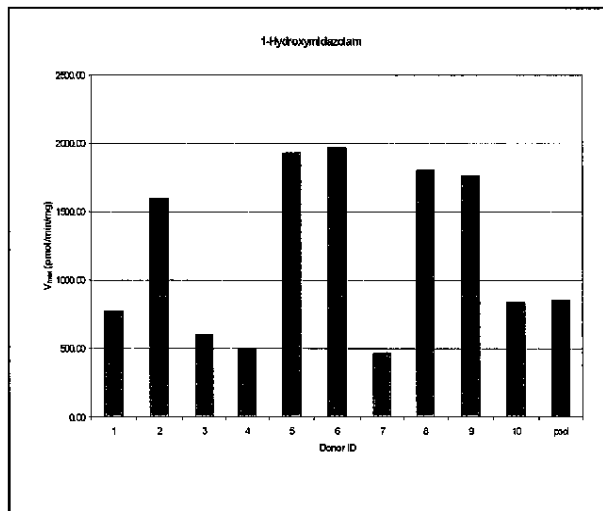
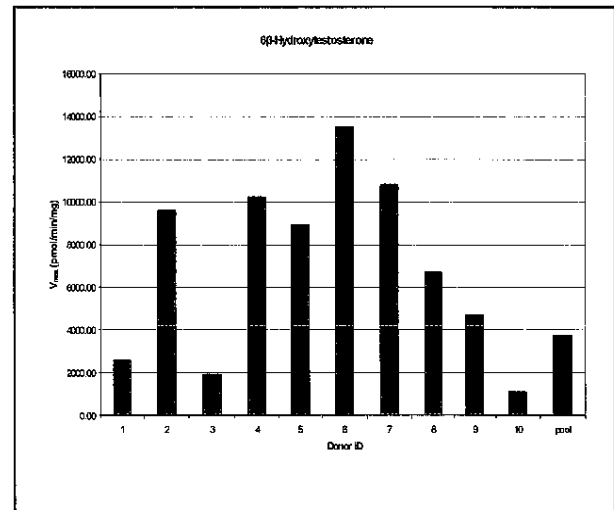
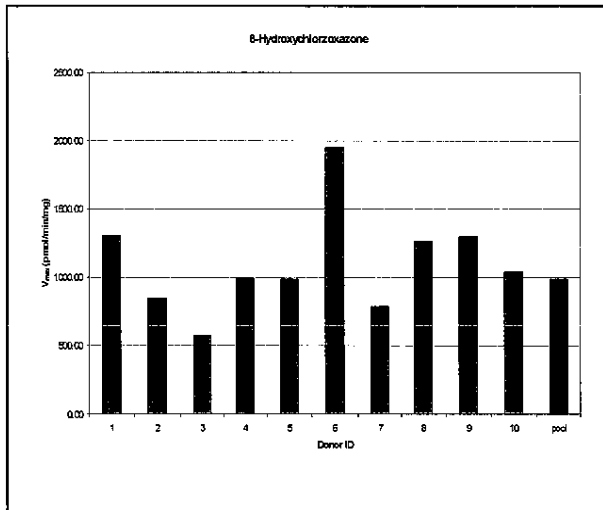
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