

Subcellular fractions	
Lot HL190729	Batch Release: July 29, 2019

Species: Human Gender: female	Age: 53 years	Serology: negative for Hepatitis B/ C, HIV 1/2
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Product Number	Product Description	Amount	Protein content
HL-S9-201	Human liver S9 fraction, female, single donor	1.0 ml	10 mg/ml
HL-MIC-201	Human liver microsomes, female, single donor	1.0 ml	4 mg/ml
HL-CYT-201	Human liver cytosol, female, single donor	1.0 ml	5 mg/ml

Enzyme assay results			
Enzyme	Assay	Enzyme activity (ng/mg*min) mean ± SD	
		S9 fraction	microsomes
CYP1A2	Phenacetin-O-deethylase	BLQ	BLQ
CYP2C9	Diclofenac 4'-hydroxylase	116.5 ± 5.3	267.5 ± 29.5
CYP2C19	Omeprazol 5'-hydroxylase	0.71 ± 0.08	1.53 ± 0.06
CYP2D6	Dextromethorphan-O-demethylase	0.26 ± 0.03	0.47 ± 0.03
CYP3A4	Midazolam 1'-hydroxylase	0.18 ± 0.06	0.77 ± 0.18

Note: Activity assays were performed at PRIMACYT GmbH. The assays were conducted at 1 mg/ml protein in 0.1 M Phosphate buffer with NADPH generating system for 15 min at 37 °C. Values are expressed as mean ± SD. BLQ – below level of quantification

<p>Store at -80 °C.</p> <p>This product should be considered as potential biohazard. Only intended for <i>in vitro</i> use.</p> <p>Last update: Apr 20, 2021</p>
<p>Updated by: J. Krinitskij</p> <p>Verified by: T. Krimmling</p>