

<b>Subcellular fractions</b>	
Lot ML191025 (Pool of 5)	Batch Release: Oct 25, 2019

Species: CD-1 mouse ( <i>Mus musculus</i> ) Gender: male Age: 3 donors 2.5 months, 2 donors 2 months	Equal amounts of liver tissues were pooled to generate subcellular fractions.
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Product Number	Product Description	Amount	Protein content
ML-S9-1P5	Mouse liver S9 fraction, male, pool of 5	1.0 ml	10 mg/ml
ML-MIC-1P5	Mouse liver microsomes, male, pool of 5	1.0 ml	5 mg/ml
ML-CYT-1P5	Mouse liver cytosol, male, pool of 5	1.0 ml	3 mg/ml

<b>Enzyme assay results</b>			
Enzyme (Rat isoforms)	Assay	Enzyme activities (nM/mg*min) mean ± SD	
		S9 Fraction	Liver microsomes
CYP1A1/2	Phenacetin-O-deethylase	77.5 ± 3.5	188.2 ± 26.8
CYP2A5	Coumarin 7'-hydroxylase	4.3 ± 0.1	10.4 ± 1.0
CYP2B19/10	Bupropion-hydroxylase	6.9 ± 0.2	16.5 ± 2.1
CYP2C29/37/38/40/44	Diclofenac 4'-hydroxylase	70.9 ± 0.2	181.4 ± 31.3
CYP2D22	Bufuralol 1'-hydroxylase	73.3 ± 0.6	111.8 ± 18.8
CYP2E1	Chlorzoxazone 6'-hydroxylase	28.3 ± 1.0	89.5 ± 9.5
CYP3A11/13	Midazolam 1'-hydroxylase	211.8 ± 3.2	557.6 ± 76.0
UDP-GT	UDP-Glucuronosyltransferase	25549 ± 1989	not applicable
SULT	Sulfotransferase	696 ± 32	not applicable

Note: Activity assays were performed at PRIMACYT GmbH. The assays were conducted at 1 mg/ml protein in 0.1 M Phosphate buffer at 37 °C for 15 min (phase I) or for 30 min (phase II). Values are expressed as mean ± SD.

<b>Store at -80 °C.</b>
This product should be considered as potential biohazard. Only intended for <i>in vitro</i> use.
Last update: Oct 25, 2019
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