

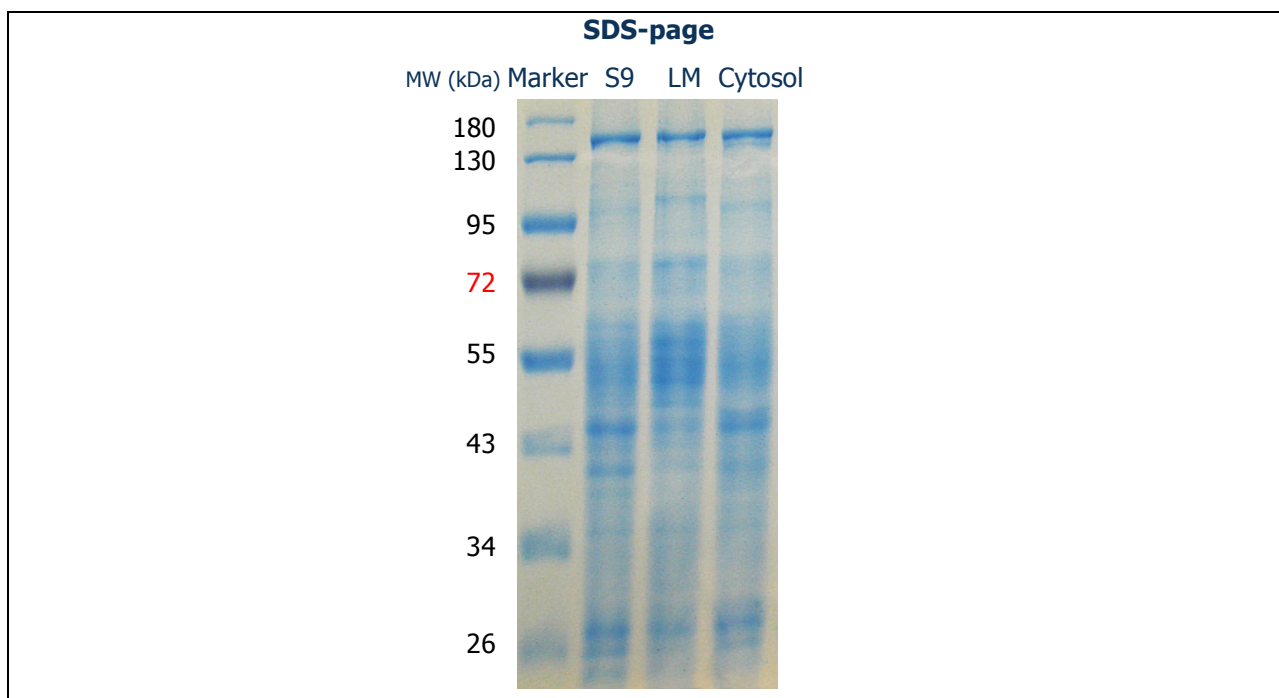
Subcellular fractions	
Lot Rat171115 (Pool of 5)	Batch Release: Jan 16, 2018

Species: Wistar Han rat ( <i>Rattus norvegicus</i> ) Gender: male Age all donors: 6.5 months	Equal amount of liver tissue from each donor was pooled to generate subcellular fractions.
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Protein content	
S9 Fraction	20 mg/ml in Phosphate buffer
Liver microsomes (LM)	20 mg/ml in Phosphate buffer
Cytosol	20 mg/ml in Phosphate buffer

Enzyme assay results			
Enzyme (Rat isoforms)	Assay	Enzyme activities (nM/min) mean ± SD	
		S9 Fraction	Liver microsomes
CYP1A1/2	Phenacetin-O-deethylase	19.2 ± 2.1	32.9 ± 3.0
CYP2B1	Bupropion-hydroxylase	3.0 ± 0.4	4.8 ± 0.5
CYP2C6/7/11	Diclofenac 4'-hydroxylase	36.6 ± 5.1	68.3 ± 3.2
CYP2D1	Bufuralol 1'-hydroxylase	57.9 ± 6.0	75.3 ± 5.8
CYP2E1	Chlorzoxazone 6'-hydroxylase	17.7 ± 0.4	26.1 ± 0.1
CYP3A1/2	Midazolam 1'-hydroxylase	110.4 ± 18.6	172.4 ± 7.7
UDP-GT	UDP-Glucuronosyltransferase	9343 ± 812	not applicable
SULT	Sulfotransferase	848 ± 59	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).



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