

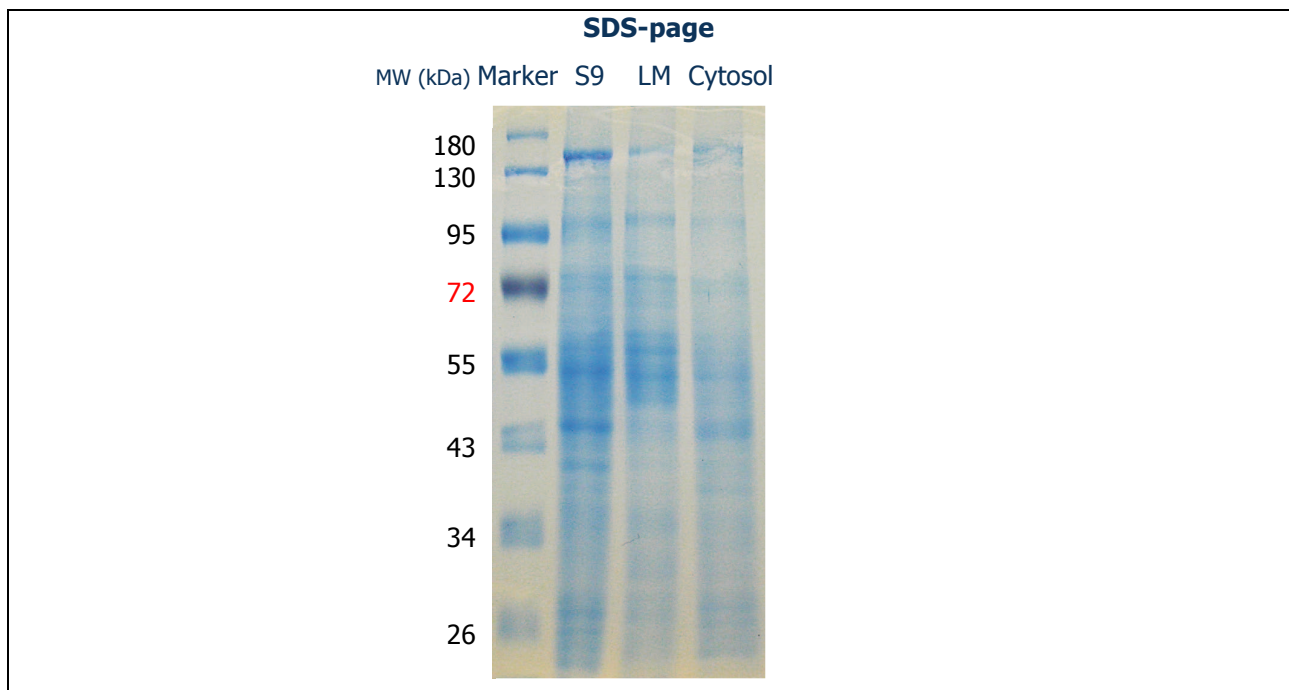
Subcellular fractions	
Lot Mouse171115 (Pool of 5)	Batch Release: Jan 19, 2018

Species: CD-1 mouse (<i>Mus musculus</i>) Gender: male Age: 3 donors 2.5 months, 2 donors 2 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)	10 mg/ml in Phosphate buffer
Cytosol	20 mg/ml in Phosphate buffer

Enzyme assay results			
Enzyme (Mouse isoforms)	Assay	Enzyme activities (nM/min) mean ± SD	
		S9 Fraction	Liver microsomes
CYP1A1/2	Phenacetin-O-deethylase	31.8 ± 1.5	43.3 ± 6.2
CYP2B9/10	Bupropion-hydroxylase	2.8 ± 0.1	3.8 ± 0.5
CYP2C29/37/38/40/44	Diclofenac 4'-hydroxylase	29.1 ± 0.1	41.7 ± 7.2
CYP2D22	Bufuralol 1'-hydroxylase	30.1 ± 0.3	25.7 ± 4.3
CYP2E1	Chlorzoxazone 6'-hydroxylase	11.6 ± 0.4	20.6 ± 2.2
CYP3A11/13	Midazolam 1'-hydroxylase	86.8 ± 1.3	128.3 ± 17.5
UDP-GT	UDP-Glucuronosyltransferase	10475 ± 816	not applicable
SULT	Sulfotransferase	285 ± 13	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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