

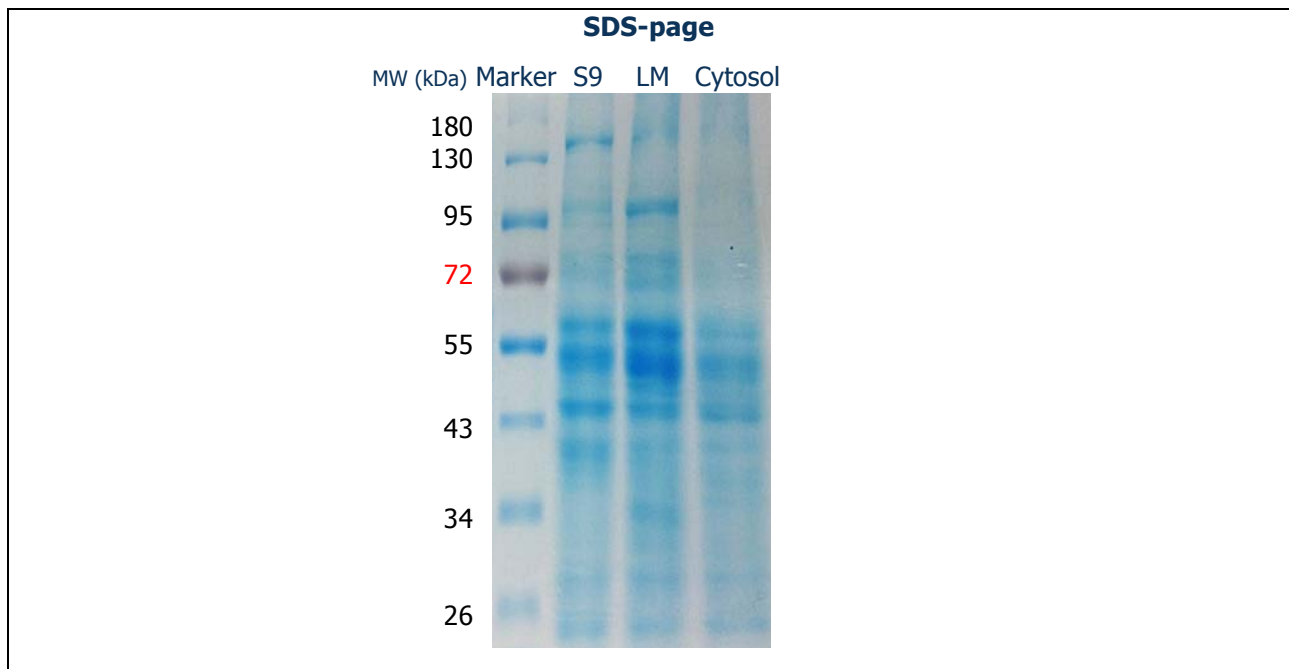
Subcellular fractions	
Lot Beagle171108 (Pool of 5)	Batch Release: Jan 16, 2018

Species: Beagle Gender: male Age: 2 donors 8 months, 2 donors 9 months, 1 donor 6 months	Equal amount of liver tissue from each donor was pooled to generate subcellular fractions.
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Protein content	
Liver microsomes	20 mg/ml in Phosphate buffer
S9	20 mg/ml in Phosphate buffer
Cytosol	20 mg/ml in Phosphate buffer

Enzyme assay results			
Enzyme (Beagle isoforms)	Assay	Enzyme activities (nM/min) mean ± SD	
		S9 Fraction	Liver microsomes
CYP1A1/2	Phenacetin-O-deethylase	25.6 ± 2.3	95.3 ± 10.0
CYP2B11	Bupropion-hydroxylase	8.6 ± 0.7	36.7 ± 3.3
CYP2C21/41	Diclofenac 4'-hydroxylase	16.3 ± 1.0	55.9 ± 1.3
CYP2D15	Bufuralol 1'-hydroxylase	1.8 ± 0.1	4.8 ± 0.1
CYP2E1	Chlorzoxazone 6'-hydroxylase	7.2 ± 0.3	32.1 ± 5.5
CYP3A12/26	Midazolam 1'-hydroxylase	151.6 ± 12.1	453.0 ± 15.1
UDP-GT	UDP-Glucuronosyltransferase	15522 ± 612	not applicable
SULT	Sulfotransferase	397 ± 22	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 30 min (phase II).



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