

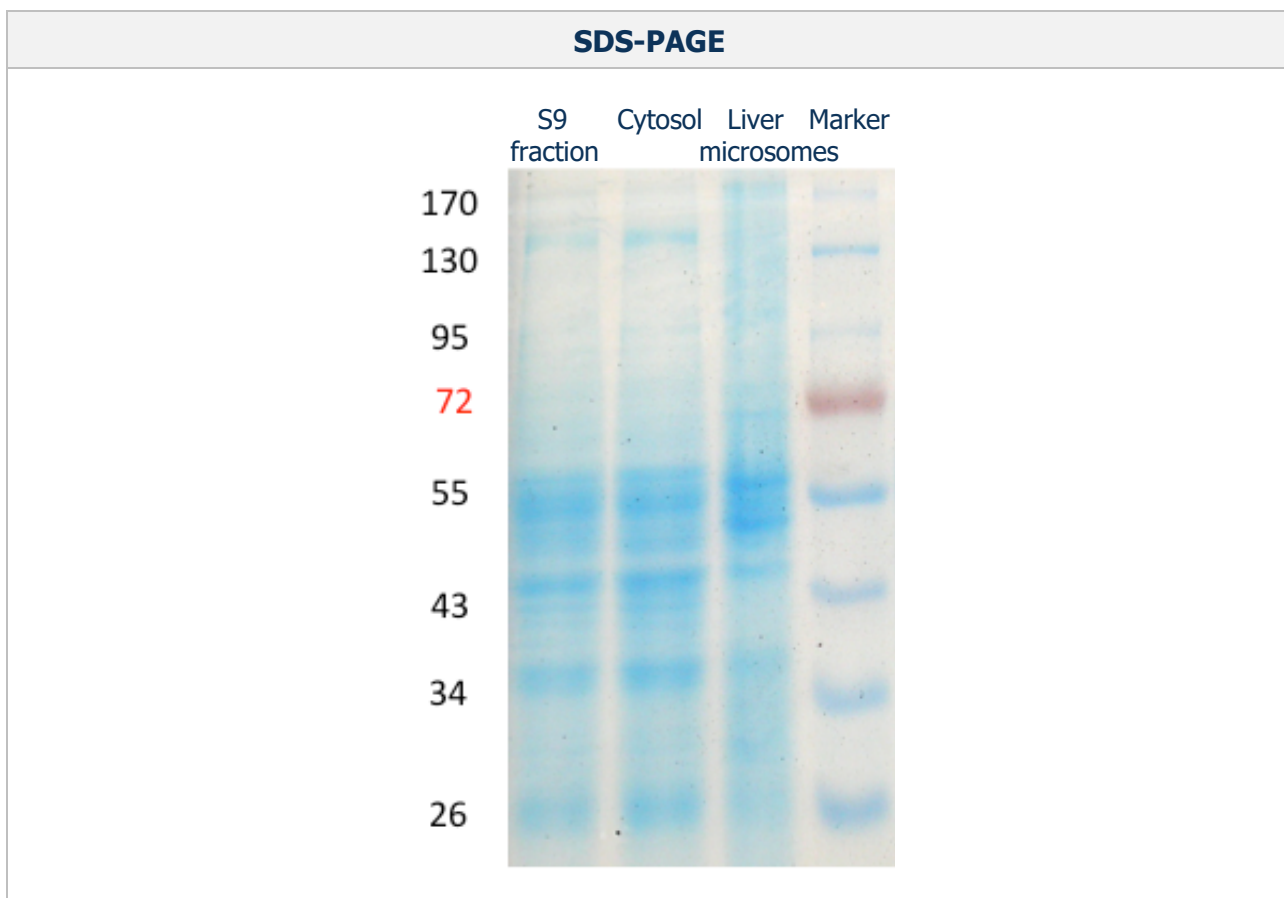
<b>Bovine Liver Subcellular fractions</b>	
<b>Product specification – Certificate of Analysis (CoA)</b>	
Lot BosL150325	Batch Release: Jan 25, 2016; updated: May 26, 2023

<b>Product information</b>			
Product number	Product description	Amount	Protein content
BosL-S9-201	Bovine liver S9 fraction, female, single donor	1.0 mL	10 mg/mL
BosL-MIC-201	Bovine liver microsomes, female, single donor	1.0 mL	5 mg/mL
BosL-CYT-201	Bovine liver cytosol, female, single donor	1.0 mL	10 mg/mL

<b>Donor data</b>	
Species: <i>Bos primigenius taurus</i> Gender: female	Age: 7 years 6 months Number of animals: N = 1

<b>Enzyme assay results</b>				
Enzyme (human isoforms)	Assay	Enzyme activities (nM/min)		
		S9 Fraction	Microsomes	Cytosol
CYP1A2	Phenacetin-O-deethylase	8.40	23.14	-
CYP2A6	Coumarin-7'-hydroxylase	-	-	-
CYP2B6	Bupropion-hydroxylase	-	-	-
CYP2C9	Diclofenac 4'-hydroxylase	18.46	66.74	-
CYP2C19	Omeprazol 5'-hydroxylase	2.86	13.54	-
CYP2C19	Mephenytoin 4'-hydroxylase	-	-	-
CYP2E1	Chlorzoxazone 6'-hydroxylase	-	-	-
CYP3A4	Midazolam 1'-hydroxylase	0.9	4.76	-
CYP2D6	Dextromethorphan-O-demethylase	2.12	8.84	-
UDP-GT	UDP-Glucuronosyltransferase	-	-	-
SULT	Sulfotransferase	-	-	677.3 ± 80.6

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) and 30 min (phase II).



**Store at -80 °C.**

This product should be considered as potential biohazard. Only intended for *in vitro* use.

Issued by: M. Reu

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