

<b>Bovine Liver Subcellular fractions</b>	
<b>Product specification – Certificate of Analysis (CoA)</b>	
Lot BosL181122 (Pool of 3)	Batch Release: Feb 19, 2019; updated: Jun 01, 2023

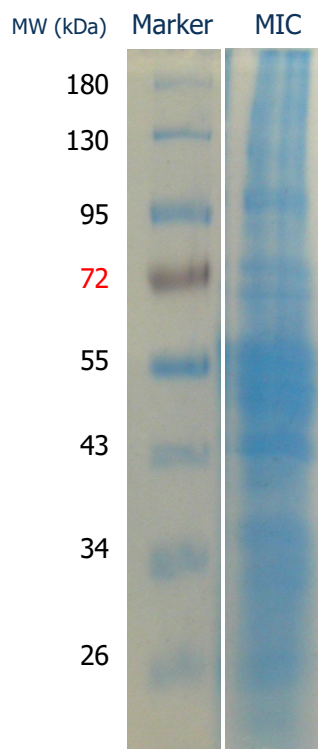
<b>Product information</b>			
Product number	Product description	Amount	Protein content
BosL-MIC-2P3	Bovine liver microsomes, female, pool of 3	0.5 mL	20 mg/mL
BosL-CYT-2P3	Bovine liver cytosol, female, pool of 3	0.5 mL	20 mg/mL

<b>Donor data</b>	
Species: <i>Bos primigenius taurus</i> Gender: female	Age Donor 1: 5 years 5 months Age Donor 2: 6 years 6 months Age Donor 3: 7 years 6 months Number of animals: N = 3

<b>Enzyme assay results</b>			
Enzyme (human isoforms)	Assay	Enzyme activities (nM/min)	
		Microsomes	Cytosol
CYP1A2	Phenacetin-O-deethylase	55.1 ± 2.1	-
CYP2A6	Coumarin-7'-hydroxylase	-	-
CYP2B6	Bupropion-hydroxylase	15.5 ± 0.6	-
CYP2C9	Diclofenac 4'-hydroxylase	29.9 ± 2.6	-
CYP2C19	Mephenytoin 4'-hydroxylase	2.7 ± 0.2	-
CYP2E1	Chlorzoxazone 6'-hydroxylase	13.2 ± 0.8	-
CYP3A4	Midazolam 1'-hydroxylase	25.4 ± 2.0	-
UDP-GT	UDP-Glucuronosyltransferase	-	-
SULT	Sulfotransferase	-	209.3 ± 15.1

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). Values are expressed as mean ± SD.

**SDS-PAGE**



**Store at -80 °C.**

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

Issued by: M. Reu

Verified by: K. Damrau