

Bovine Liver Subcellular fractions
Product specification – Certificate of Analysis (CoA)

Lot BosL210615 (Pool of 3)

Batch Release: August 2, 2022

Product information

Product number	Product description	Amount	Protein content
BosL-S9-1P3	Bovine liver S9 fraction, male, pool of 3	0.5 mL	20 mg/mL

Donor data

Species: *Bos primigenius taurus*
Gender: male

Age:
all donors: 1 year and 9 months

Equal amounts of liver tissues were pooled to generate subcellular fractions.

Enzyme assay results

Enzyme (Human isoforms)	Assay	Enzyme activities (nM/min)
		S9 Fraction
CYP1A2	Phenacetin-O-deethylase	10.3 ± 2.5
CYP2A6	Coumarin-7'-hydroxylase	0.2 ± 0.1
CYP2B6	Bupropion-hydroxylase	11.1 ± 3.7
CYP2C9	Diclofenac 4'-hydroxylase	2.7 ± 1.1
CYP2C19	Mephenytoin 4'-hydroxylase	not detectable
CYP2E1	Chlorzoxazone 6'-hydroxylase	not detectable
CYP3A4	Midazolam 1'-hydroxylase	10.7 ± 0.5
UDP-GT	UDP-Glucuronosyltransferase	3400.2 ± 63.3
SULT	Sulfotransferase	612.7 ± 47.7

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.

Store at -80 °C.

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

Issued by: M. Reu

Verified by: A. Ullrich