

**Subcellular fractions - Certificate of Analysis (CoA)**

Lot BosL191105/ BosL191106

Batch Release: December 10, 2019

Species: *Bos primigenius taurus*  
Gender: female

Age: approx. 3 years

Product Number	Product Description	Amount	Protein content
BosL-S9-201	Bovine liver S9 fraction, female, single donor	0.5 ml	20 mg/ml
BosL-MIC-201	Bovine liver microsomes, female, single donor	0.5 ml	20 mg/ml

**Enzyme assay results**

Enzyme (Human isoform)	Assay	Enzyme activity (nM/mg*min)	
		S9 fraction	microsomes
CYP1A2	Phenacetin-O-deethylase	87.5 ± 0.5	273.2 ± 53.7
CYP2A6	Coumarin-7'-hydroxylase	5.1 ± 0.1	27.1 ± 12.4
CYP2B6	Bupropion-hydroxylase	14.4 ± 1.0	63.0 ± 18.8
CYP2C9	Diclofenac 4'-hydroxylase	45.8 ± 2.7	103.8 ± 19.2
CYP2C19	Mephenytoin 4'-hydroxylase	2.2 ± 0.0	11.3 ± 5.7
CYP2E1	Chlorzoxazone 6'-hydroxylase	21.8 ± 0.2	116.4 ± 51.2
CYP3A4	Midazolam 1'-hydroxylase	57.7 ± 4.9	222.9 ± 84.8

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). 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: J. Krinitskij

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