

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

Lot EL250213-2

Batch Release: March 17, 2025

Product information

Product code	Product description	Amount	Protein content
EL-S9-201	Equine liver S9 fraction, female, single donor	0.5 mL	20 mg/mL

Donor data

Species: *Equus caballus*

Gender: female

Age: 26 years

Enzyme assay results

Enzyme (Human isoforms)	Assay	Enzyme activities (nM/min)
		S9 Fraction
CYP1A2	Phenacetin-O-deethylase	13.0 ± 2.6
CYP2A6	Coumarin-7'-hydroxylase	1.9 ± 0.1
CYP2B6	Bupropion-hydroxylase	131.7 ± 5.2
CYP2C9	Diclofenac 4'-hydroxylase	12.2 ± 0.9
CYP2C19	Mephenytoin 4'-hydroxylase	0.1 ± 0.0
CYP2E1	Chlorzoxazone 6'-hydroxylase	4.0 ± 0.3
CYP3A4	Midazolam 1'-hydroxylase	15.2 ± 1.2

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: M. Reu

Verified by: K. Damrau