

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

Lot OL211216

Batch Release: August 2, 2022

**Product information**

Product number	Product description	Amount	Protein content
OL-S9-101	Ostrich liver S9 fraction, male, single donor	1.0 mL	10 mg/mL

**Donor data**

Species: Ostrich  
Gender: male

Age: 1 year and 5 months

**Enzyme assay results**

Enzyme (Human isoforms)	Assay	Enzyme activities (nM/min)
		S9 Fraction
CYP1A2	Phenacetin-O-deethylase	5.6 ± 0.5
CYP2A6	Coumarin-7'-hydroxylase	0.1 ± 0.0
CYP2B6	Bupropion-hydroxylase	17.2 ± 0.5
CYP2C9	Diclofenac 4'-hydroxylase	0.3 ± 0.0
CYP2C19	Mephenytoin 4'-hydroxylase	not detectable
CYP2E1	Chlorzoxazone 6'-hydroxylase	not detectable
CYP3A4	Midazolam 1'-hydroxylase	3.3 ± 0.1
UDP-GT	UDP-Glucuronosyltransferase	4013.4 ± 288.3
SULT	Sulfotransferase	13.2 ± 1.1

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.

**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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