

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

Lot CL240125 (Pool of 9)

Batch Release: March 1<sup>st</sup>, 2024

**Product information**

Product code	Product description	Amount	Protein content
CL-S9-3P9	Cynomolgus liver S9 fraction, pool of 9	0.5 mL	20 mg/mL
CL-MIC-3P9	Cynomolgus liver microsomes, pool of 9	0.5 mL	20 mg/mL

**Donor data**

Species: Cynomolgus (*Macaca fascicularis*)  
Gender: mixed (4 female, 5 male)

Age: 34, 61, 61, 64, 73, 75, 76, 78, 86 months

Serology: SIV, SRV, STLV-1, B-Virus, Ebola: negative for all donors

All animals were kept under controlled conditions and veterinary care. The animals did not show any clinical signs and/or lesions of contagious disease at the time of euthanasia.

**Enzyme assay results**

Enzyme (Human isoforms)	Assay	Enzyme activities (nM/min)	
		S9 Fraction	Liver microsomes
CYP1A2	Phenacetin-O-deethylase	31.3 ± 3.4	122.7 ± 4.0
CYP2A6	Coumarin-7'-hydroxylase	10.1 ± 0.5	22.9 ± 0.7
CYP2B6	Bupropion-hydroxylase	42.9 ± 1.4	115.0 ± 0.8
CYP2C9	Diclofenac 4'-hydroxylase	13.6 ± 0.9	31.0 ± 0.6
CYP2C19	Mephenytoin 4'-hydroxylase	0.12 ± 0.0	0.19 ± 0.0
CYP2E1	Chlorzoxazone 6'-hydroxylase	40.2 ± 1.9	74.0 ± 3.8
CYP3A4	Midazolam 1'-hydroxylase	33.6 ± 1.9	55.9 ± 2.4

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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