

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

Lot CL211007 (Pool of 3)

Batch Release: August 4, 2022

Product information

Product number	Product description	Amount	Protein content
CL-MIC-2P3	Cynomolgus liver microsomes, female, pool of 3	0.5 mL	20 mg/mL

Donor data

Species: Cynomolgus (*Macaca fascicularis*)
Gender: female

Age:
donor 1: 3 years and 10 months
donor 2: 3 years and 10 months
donor 3: 4 years and 10 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.

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

Enzyme assay results

Enzyme (Human isoforms)	Assay	Enzyme activities (nM/min)
		Microsomes
CYP1A2	Phenacetin-O-deethylase	93.7 ± 9.1
CYP2A6	Coumarin-7'-hydroxylase	4.3 ± 0.2
CYP2B6	Bupropion-hydroxylase	249.8 ± 23.0
CYP2C9	Diclofenac 4'-hydroxylase	13.9 ± 1.0
CYP2C19	Mephenytoin 4'-hydroxylase	not detectable
CYP2E1	Chlorzoxazone 6'-hydroxylase	41.5 ± 3.1
CYP3A4	Midazolam 1'-hydroxylase	231.1 ± 7.0
UDP-GT	UDP-Glucuronosyltransferase	4592.0 ± 238.0

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