

Subcellular fractions	
Lot CCL200702-1 (Pool of 3)	Batch Release: August 11, 2020 – Updated July 21, 2023

Species: Common Carp (<i>Cyprinus carpio</i>) Acclimation temperature: 13.7 ± 0.8 °C Age: approx. 2 years	Number and gender of animals: 3, male sexual immature All animals were kept under controlled housing conditions.
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Animal characteristics:

Donor	1	2	3
Gender	male		
Fish weight (g)	315	305	290
Liver weight (g)	8.9	9.7	7.8
Gonad weight (g)	1.79	0.88	0.50
GSI (gonad weight/fish weight)	0.57	0.29	0.17

GSI = Gonadosomatic index

Product Code	Product Description	Amount	Protein content
CCL-S9-1P3	Common Carp S9 Fraction, male	0.5 ml	10 mg/ml

Phase I and Phase II metabolism: Determination of enzymatic activities in suspension	
Assay	Enzyme activities (nM/min) mean ± SD
Phenacetin-O-deethylase	0.17 ± 0.03
Coumarin-7'-hydroxylase	0.05 ± 0.01
Bupropion-hydroxylase	0.06 ± 0.01
Diclofenac-4'-hydroxylase	4.19 ± 0.11
Midazolam-1'-hydroxylase	0.07 ± 0.02
UDP-Glucuronosyltransferase	32.7 ± 17.5
Sulfotransferase	3.55 ± 1.16

Note: Activity assays were performed at PRIMACYT GmbH. The assays were conducted at 1 mg/ml protein in 0.1 M Phosphate buffer at 14 °C for 15 min (Phase I) and for 30 min (Phase II).

Animal husbandry conditions: After acclimation period of 1 week

Water temperature (°C)	14.1 ± 1.0
pH	8.1 ± 0.1
NH ₄ (mg/l)	0.05 ± 0.06
NO ₂ (mg/l)	0.05 ± 0.03
NO ₃ (mg/l)	12.0 ± 1.6
Carbonate hardness (°dH)	8.1 ± 0.3
Salinity (‰)	0.2 ± 0.0

Store at -80 °C.

This product should be considered as potential biohazard. Only intended for *in vitro* use.

Issued by J. Krinitskij
Updated by C. Garve
Updated by D. Runge

Checked by C. Garve
Checked by A. Ullrich
Checked by K. Damrau