

Subcellular fractions	
Lot CCL200702-3 (Pool of 7)	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: 7, female sexual immature All animals were kept under controlled housing conditions.
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**Animal characteristics:**

Donor	1	2	3	4	5	6	7
Gender	female						
Fish weight (g)	267	270	415	294	340	333	328
Liver weight (g)	8.0	10.9	15.0	9.9	13.8	13.9	12.8
Gonad weight (g)	1.43	0.16	0.23	0.82	0.18	1.49	3.08
GSI (gonad weight/fish weight)	0.54	0.06	0.06	0.28	0.05	0.45	0.94

GSI = Gonadosomatic index

Product Code	Product Description	Amount	Protein content
CCL-S9-3P7	Common Carp S9 Fraction, female	0.5 ml	10 mg/ml

Phase I and Phase II metabolism: Determination of enzymatic activities in suspension	
Assay	Enzyme activity (nM/min) mean ± SD
Phenacetin-O-deethylase	0.21 ± 0.01
Coumarin-7'-hydroxylase	0.05 ± 0.01
Bupropion-hydroxylase	0.08 ± 0.02
Diclofenac-4'-hydroxylase	3.35 ± 0.33
Midazolam-1'-hydroxylase	0.06 ± 0.02
UDP-Glucuronosyltransferase	25.2 ± 7.3
Sulfotransferase	4.32 ± 1.51

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 <sub>4</sub> (mg/l)	0.05 ± 0.06
NO <sub>2</sub> (mg/l)	0.05 ± 0.03
NO <sub>3</sub> (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.

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