

Subcellular fractions	
Lot RTL200629-3 (Pool of 7)	Batch Release: August 24, 2020

Species: Rainbow trout ( <i>Oncorhynchus mykiss</i> ) Strain: Christophersen, Bornhoeved Supplier: Fish breeding Christophersen Acclimation temperature: 8.8 ± 3.4 °C Age: approx. 1.5-2 years	Number and gender of animals: 7 (5 female, 2 male) 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	male		female				
Fish weight (g)	418	441	358	465	440	438	423
Liver weight (g)	4.5	3.3	3.4	4.4	4.3	4.4	3.6
Gonad weight (g)	0.14	0.15	0.49	1.16	1.57	0.95	0.79
GSI (gonad weight/fish weight)	0.03	0.03	0.14	0.25	0.36	0.22	0.19

GSI = Gonadosomatic index

Product Number	Product Description	Amount	Protein content
RTL-S9-180216	Rainbow trout S9 Fraction, mixed gender	0.5 ml	20 mg/ml

Phase I and Phase II metabolism: Determination of enzymatic activities in suspension	
Assay	Enzyme activity (nM/min) mean ± SD
Phenacetin-O-deethylase	2.25 ± 0.35
Bupropion-hydroxylase	0.24 ± 0.04
Diclofenac-4'-hydroxylase	2.99 ± 0.39
Chlorzoxazone-6'-hydroxylase	0.49 ± 0.25
Midazolam-1'-hydroxylase	1.78 ± 0.91
UDP-Glucuronosyltransferase	398.5 ± 64.5
Sulfotransferase	34.9 ± 8.1

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

**Animal husbandry conditions:** After acclimation period of 2 weeks

Stocking rate (kg/m <sup>3</sup> )	2.2 ± 1.1
Water temperature (°C)	11.4 ± 0.6
pH	8.0 ± 0.1
NH <sub>4</sub> (mg/l)	3.0 ± 1.0
NO <sub>2</sub> (mg/l)	0.65 ± 0.69
NO <sub>3</sub> (mg/l)	4.9 ± 1.6
Carbonate hardness (°dH)	9.6 ± 0.6
Salinity (‰)	0.18 ± 0.06

**Store at -80 °C.**

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

Issued by J. Krinitskij

Checked by C. Garve