

Subcellular fractions	
Lot BL190730 (Pool of 5)	Batch Release: July 30, 2019

Species: Beagle Gender: male Age: 2 donors 8 months, 2 donors 9 months, 1 donor 6 months	Equal amounts of liver tissues were pooled to generate subcellular fractions.
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Product Number	Product Description	Amount	Protein content
BL-S9-1P5	Beagle liver S9 fraction, male, pool of 5	1.0 ml	10 mg/ml
BL-MIC-1P5	Beagle liver microsomes, male, pool of 5	1.0 ml	10 mg/ml

Enzyme assay results			
Enzyme (Beagle isoforms)	Assay	Enzyme activities (ng/mg*min)	
		S9 Fraction	Liver microsomes
CYP1A1/2	Phenacetin-O-deethylase	50.7 ± 4.5	157.5 ± 16.5
CYP2B11	Bupropion-hydroxylase	17.0 ± 1.3	60.7 ± 5.5
CYP2C21/41	Diclofenac 4'-hydroxylase	32.3 ± 2.0	92.4 ± 2.1
CYP2D15	Bufuralol 1'-hydroxylase	3.5 ± 0.3	7.9 ± 0.2
CYP2E1	Chlorzoxazone 6'-hydroxylase	14.3 ± 0.6	53.0 ± 9.0
CYP3A12/26	Midazolam 1'-hydroxylase	300.2 ± 23.9	748.8 ± 25.0
UDP-GT	UDP-Glucuronosyltransferase	30736 ± 1211	not done
SULT	Sulfotransferase	785 ± 43	not done

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) or 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 <i>in vitro</i> use.
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