

Subcellular fractions	
Lot Bos150325	Batch Release: 25.01.2016 update 24.02.2020

Species: Bos primigenius taurus Gender: female	Age: 7 years 6 months
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Protein content	
Liver microsomes	5 mg/ml in Phosphate buffer
S9	10 mg/ml in Phosphate buffer
Cytosol	10 mg/ml in Phosphate buffer

Enzyme assay results			
Enzyme	Assay	Enzyme activity (ng/ml*min)	
		S9 fraction	liver microsomes
CYP1A2	Phenacetin-O-deethylase	8.40	23.14
CYP2C9	Diclofenac 4'-hydroxylase	18.46	66.74
CYP2C19	Omeprazol 5'-hydroxylase	2.86	13.54
CYP2D6	Dextromethorphan-O-demethylase	2.12	8.84
CYP3A4	Midazolam 1'-hydroxylase	0.9	4.76

Note: Activity assays were performed at PRIMACYT GmbH. The assays were conducted at 1 mg/ml protein in 0.1 M Phosphate buffer with NADPH generating system for 15 min at 37 °C.

