

Subcellular fractions	
Lot Bos150325	Batch Release: Jan 25, 2016

Species: Bos primigenius taurus Gender: female	Age: 7 years 6 months
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Protein content	
Liver microsomes	8 mg/ml in Phosphate buffer
S9	20 mg/ml in Phosphate buffer
Cytosol	20 mg/ml in Phosphate buffer

Enzyme assay results			
Enzyme	Assay	Enzyme activity (ng/ml*min)	
		S9 fraction	liver microsomes
CYP1A2	Phenacetin-O-deethylase	4.20	11.57
CYP2C9	Diclofenac 4'-hydroxylase	9.23	33.37
CYP2C19	Omeprazol 5'-hydroxylase	1.43	6.77
CYP2D6	Dextromethorphan-O-demethylase	1.06	4.42
CYP3A4	Midazolam 1'-hydroxylase	0.45	2.38

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.

