CYP450-GP

PRODUCT NUMBER HLM-023
HUMAN LIVER MICROSOMES, CYP2E1-ENRICHED
LOT #P879

PROTEIN CONTENT = 20.0 mg/ml
P450 CONTENT = 6.4 nmol/ml
SPECIFIC CONTENT = 0.32 nmol P450/mg protein

Microsomes were prepared from donor liver obtained from a single subject using conventional homogenization and centrifugation techniques. Liver microsomes are provided in a solution containing 10 mM potassium phosphate buffer (pH 7.4) and 250 mM sucrose. The sample exhibits a typical P450 ferrous carbonyl absorption spectrum with minimal P420 content. Individual P450 enzyme content, which was assessed by immunoblotting with specific antibodies, is shown below.

CYP2E1 184.0 (92.1 ± 47; n = 33)
CYP4A11 97.1 (41.6 ± 21; n = 33)
CYP4F2 16.1 (16.4 ± 19; n = 28)

*CYP4A11 and CYP4F2 are expressed as pmol/mg protein whereas CYP2E1 values are ranked against the levels of this microsomal enzymes in a "standard" subject.

*Values in parentheses denote the P450 enzyme content (mean ± S.D) in liver microsomes from 13 -21 different individuals

♦ Storage
Microsomes should be stored @ -70°C. To avoid repeated freeze-thawing cycles, small volume aliquots can be prepared.