

CellzDirect™ Human Liver Microsomes Female 20 Donor Pool

Catalog # HMMC-PF-PL038

Volume = 0.5 mL

Concentration = 20 mg/mL

P450 Specific Content = 0.309 nmol P450/mg protein

We strongly recommend quickly thawing these products at 37 °C in a water bath, placing them on ice, and then freezing them into smaller aliquots immediately after the initial use. Minimization of freeze thaw cycles and amount of time these products are above -70 °C will help to retain their enzymatic activity.

Store at -70° C



These liver samples are from donors who tested negative for HIV and hepatitis. However, we recommend that these samples be considered as potential biohazards.

HMMC-PF-PL038 – Female Donor Pool

<i>Isoform</i>	<i>Metabolite</i>	<i>K_m (μM)</i>	<i>V_{max} (nmol/min/mg)</i>
CYP1A2	Acetaminophen	54	0.76
CYP2A6	7-Hydroxycoumarin	0.59	0.48
CYP2B6	Hydroxybupropion	64	0.37
CYP2C8	6α-Hydroxypaclitaxel	5.9	0.19
CYP2C9	Hydroxytolbutamide	200	0.18
CYP2C19	4'-Hydroxymephenytoin	28	0.043
CYP2D6	Dextrorphan	2.8	0.13
CYP2E1	6-Hydroxychlorzoxazone	68	1.4
CYP3A4	6β-Hydroxytestosterone	19	5.1
CYP3A4	1'-Hydroxymidazolam	1.6	1.3