XENOTECH
A BioIVT Company

Data Sheet

M1000.E Lot No. 1810051

CD1 Mouse Skin Microsomes
Untreated, Male, Pool of 91
250 µL at 10 mg protein / mL
Suspension medium: 250 mM sucrose

Enzyme Activities		*Rate*
NADPH-cytochrome *c* reductase	(nmol/mg protein/min)	11.8 ± 0.4
Testosterone 6β-hydroxylation	(pmol/mg protein/min)	24.6 ± 1.9
4-Methylumbelliferone glucuronidation	(nmol/mg protein/min)	15.6 ± 1.3
Clopidogrel hydrolysis	(pmol/mg protein/min)	41.4 ± 3.4
Methylprednisolone 21-hemisuccinate hydrolysis	(pmol/mg protein/min)	1006 ± 15

Characterization is performed when the first lot of a product from a given subcellular fraction (*e.g., S9*) is prepared. Subsequent lots are subject to a verification test only. Values for enzyme activities were determined at a single substrate concentration and are mean ± standard deviation of three or more determinations.

Subcellular fractions were prepared from dorsal full-thickness skin.

Animal Information

Species:	Mouse
Strain:	CD1
Sex:	Male
Age:	~ 11-12 weeks
Vendor:	Charles River, Raleigh, NC

Animals were housed in an AAALAC-accredited facility and allowed to acclimate ≥ seven days before use.

Food:	Purina 5L79 (*ad libitum*)
Water:	Automatic watering system (*ad libitum*)
Light/dark cycle:	5:00 am - 5:00 pm, light; 5:00 pm - 5:00 am, dark (12-hour light/dark)
Temperature:	70°F ± 2°F
Humidity:	30-70 %
Bedding:	Beta Chip (hardwood), NEPCO, Warrensburg, NY
Cage:	Polycarbonate Shoebox Cage, conventional cage

Store at -80°C

CAUTION: This sample should be considered as a potential biohazard and universal precautions should be followed. Intended for *in vitro* use only.

Datasheet prepared 22 May 2018