XENOTECH
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DATA SHEET

R1000.E / Lot No. 1110137

Sprague Dawley (SD) Rat Skin Microsomes
Untreated, Male, Pool of 50
250 µL at 10 mg protein / mL
Suspension medium: 250 mM sucrose

Specific activities [a]	Rate
NADPH-cytochrome *c* reductase (nmol/mg protein/min)	17.4 ± 0.0
Testosterone 6β-hydroxylation (pmol/mg protein/min)	9.70 ± 0.59
4-Methylumbelliferone glucuronidation (nmol/mg protein/min)	31.8 ± 0.1
Clopidogrel hydrolysis (pmol/mg protein/min)	193 ± 9
Methylprednisolone 21-hemisuccinate hydrolysis (pmol/mg protein/min)	919 ± 19

[a] 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:	Rat
Strain:	International Genetic Standard (IGS), Sprague Dawley
Sex:	Male
Age:	~ 8 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.*

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