XENOTECH
A BioIVT Company

Data Sheet

R1000.H15+ Lot No. 1510038

Cryopreserved Sprague Dawley (SD) Rat Hepatocytes
Male, Pool of 12

Assured Minimum Yield: 7.0×10^6 cells per vial
Viability: 82%

Livers were perfused and subjected to collagenase digestion for the purpose of hepatocyte isolation.

Enzyme Activities		***Rate***
7-Ethoxycoumarin *O*-dealkylation	(pmol/million cells/min)	249± 15
7-Hydroxycoumarin glucuronidation	(pmol/million cells/min)	192 ± 4
7-Hydroxycoumarin sulfonation	(pmol/million cells/min)	99.5 ± 5.0

Values for enzyme activities were determined at a single substrate concentration and are mean ± standard deviation of three or more determinations.

To measure metabolic enzyme activities, hepatocytes (1×10^6 /mL) in suspension were incubated in triplicate at 37 ± 1°C for 30 minutes in William's E+ medium and 7-ethoxycoumarin (500 µM). Metabolite formation was determined by validated LC-MS/MS methods with deuterated metabolites as internal standards.

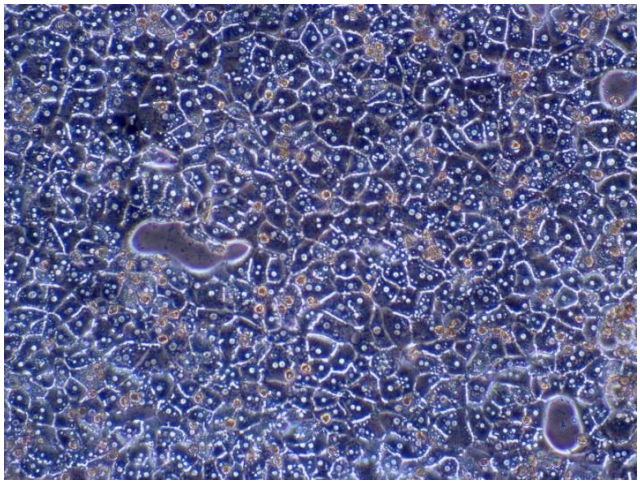
Animal Information

Species:	Rat
Strain:	International Genetic Standard (IGS), Sprague Dawley
Sex:	Male
Age:	~ 8-12 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

Recommended seeding density
1.4 million cells/mL



R1000.H15+ 1510038 day 3 of culture

Store in liquid nitrogen, vapor phase

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

Datasheet prepared 05 March 2015