XENOTECH
A BioIVT Company

Data Sheet

# R3000.H15+ Lot No. 1610248

## Cryopreserved Wistar Rat Hepatocytes
## Male, Pool of 4

Assured Minimum Yield: 7.0 x $10^6$ cells per vial
Viability: 77%

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) | 165 ± 14 |
| 7-Hydroxycoumarin glucuronidation | (pmol/million cells/min) | 199 ± 23 |
| 7-Hydroxycoumarin sulfonation | (pmol/million cells/min) | 96.9 ± 6.2 |

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

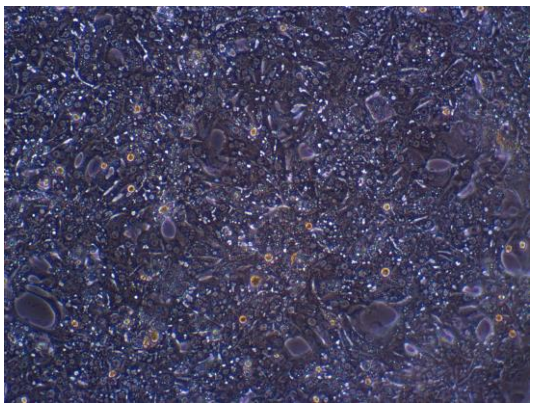
To measure metabolic enzyme activities, hepatocytes (1 x $10^6$ /mL) in suspension were incubated in triplicate at 37 ± 1°C for 30 minutes in Opti$^{INCUBATE}$ medium and 7-ethoxycoumarin (500 µM). Metabolite formation was determined by validated LC-MS/MS methods with deuterated metabolites as internal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

### *Animal Information*

| | |
|---|---|
| Species: | Rat |
| Strain: | Wistar |
| 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 |



R3000.H15+ 1610248 day 3 of culture

| Plate format | Recommended Seeding Density (million cells/mL) | Recommended Seeding/Feeding Volume Per Well |
|---|---|---|
| 6 well format | 1.2 | 1.7 mL |
| 12 well format | 1.2 | 650 µL |
| 24 well format | 1.2 | 330 µL |
| 48 well format | 1.2 | 150 µL |
| 96 well format | Not Tested | |

# 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 29 July 2016