

**Primary Hepatocytes: Cryopreserved Plated**

**Catalog Number: RTCP20**

**Species: Rat (Sprague-Dawley)**

**Lot Number: RS836**

**Number of Donors: 4**

Shipping/Storage Temperature: Below -135 °C

☐ **Product Information Sheet**

Sample Information: Store using Vapor Phase Liquid Nitrogen

☒ **Certificate of Analysis**

Volume: 1.5-2.0 mL Vial

FOR RESEARCH USE ONLY. CAUTION: Not intended for human or animal diagnostic or therapeutic uses. Users should treat all human and animal cells as potential pathogens. Wear protective clothing and eyewear. Practice appropriate disposal techniques for potentially pathogenic or bio-hazardous materials.

Contact the in-house Safety Officer for information on safe handling of human cell products, universal precautions, and for information on what to do in case of exposure. For recommended post exposure procedures, call the Centers for Disease Control (CDC) Information line at +1 800 232 4636.

## ANIMAL DONOR INFORMATION

These Hepatocytes were obtained from non-infectious, non-contagious, healthy animal

Sex	Age
Female	9 Weeks

## POST-THAW RESULTS

Average Viability: 78% in Williams Medium E media

Viable Cells/Vial:  $9.3 \times 10^6$

## METABOLIC ACTIVITY ☐ Assay Not Applicable

The cell suspension per 37 °C incubation is  $0.5 \times 10^6$  cells/mL.

Metabolic activities are determined by HPLC or LC-MS/MS analysis and recorded as pmol/ $10^6$  cells/min.

Enzyme	Substrate	Concentration ( $\mu$ M)	Incubation Time (Min)	Marker Metabolite	Metabolic Activity
Phase I	7-Ethoxycoumarin	100	30	(ECOD) 7-Hydroxycoumarin (7-HC)	16.1
Phase II	7-Hydroxycoumarin	100	30	7-Hydroxycoumarin Glucuronide (7-HCG)	646
Phase II	7-Hydroxycoumarin	100	30	7-Hydroxycoumarin Sulfate (7-HCS)	190

For technical questions about this product, contact the Hepatic Biology Support Team at Life Technologies.

Email: [hepaticproducts@lifetech.com](mailto:hepaticproducts@lifetech.com) Phone: (USA) +1 866 952 3559



## Quality Certificate

(Continued)

The Liver Cells from Lot RS836 were derived from tissue obtained from accredited institutions. Consent was obtained by these institutions from the donor or the donor's legal next of kin, for use of the tissue and its derivatives for research purposes.

Vicky Harley 12 Nov 13  
Prepared By Date

Vicky Harley 12 Nov 13  
Quality Systems Department Date

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