

Quality Certificate

Primary Hepatocytes: Cryopreserved Suspension**Catalog Number:** RTCS10**Species:** Rat (Sprague-Dawley)**Lot Number:** RS944**Number of Donors:** 3☐ **Product Information Sheet****Shipping/Storage Temperature:** Below -135 °C☒ **Certificate of Analysis****Sample Information:** Store using Vapor Phase Liquid Nitrogen**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(s).

Sex	Age
Male	8 Weeks

POST-THAW RESULTS

Average Viability:	82% in Williams Medium E
Viable Cells/Vial:	8.7×10^6

For technical questions about this product, contact the Hepatic Biology Support Team at Life Technologies.
Email: hepaticproducts@lifetech.com Phone: (USA) +1 866 952 3559

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METABOLIC ACTIVITY		Assay Not Applicable			
The cell suspension per 37 °C incubation is 0.5 x 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 (µM)	Incubation Time (Min)	Marker Metabolite	Metabolic Activity
Phase I	7-Ethoxycoumarin	100	30	(ECOD) 7-Hydroxycoumarin (7-HC)	12
Phase II	7-Hydroxycoumarin	100	30	7-Hydroxycoumarin Glucuronide (7-	2130
Phase II	7-Hydroxycoumarin	100	30	7-Hydroxycoumarin Sulfate (7-HCS)	375

The Liver Cells from Lot RS944 were derived from tissue obtained from accredited institutions.

Aarali Smith 03 APR 17
Quality Systems Department Date