

Cryopreserved Rat (Sprague-Dawley) Hepatocytes - Suspension



Catalog Number: RSCS01

Lot number: RSD274

Date: 01/10/16

FOR RESEARCH USE ONLY. CAUTION: Not intended for diagnostic or therapeutic use. Treat all animal derived products as potentially pathogenic. Wear personal protective equipment and practice appropriate laboratory and disposal techniques for potentially pathogenic or bio-hazardous material.

| <i>Donor Demographics</i> | | | |
|---------------------------|-----------------------|-------------|-------------------|
| Species | Strain | Sex | Age |
| <i>Rat</i> | <i>Sprague-Dawley</i> | <i>Male</i> | <i>9-12 weeks</i> |

Storage Conditions: <-150°C

| <i>Post-thaw Viability and Cell Quality Assessment</i> | | | |
|--|-------------------------------|-------------|-----------------------------|
| Thawing Medium Used | Optimal Centrifuge Conditions | % Viability | Viable cell yield per vial |
| <i>MCRT50</i> | <i>100g x 10min</i> | <i>80%</i> | <i>5.2 x 10⁶</i> |

| <i>Suspension Metabolism</i> | | | |
|------------------------------|---------------------------------|--|--|
| Isoform | Substrate | Marker Metabolite/ *Substrate Clearance | Activity (pmol/min/10 ⁶ cells) |
| <i>General</i> | <i>100 uM 7-Ethoxycoumarin</i> | <i>7-Ethoxycoumarin Clearance*</i> | <i>1303.9</i> |
| <i>SULT</i> | <i>100 uM 7-Hydroxycoumarin</i> | <i>7-Hydroxycoumarin Sulfate</i> | <i>614.8</i> |
| <i>UGT</i> | <i>100 uM 7-Hydroxycoumarin</i> | <i>7-Hydroxycoumarin Glucuronide</i> | <i>1133.3</i> |

All incubations were concluded at 30 minutes

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