Primary Hepatocytes: Fresh
Species: Human
Number of Donors: 1

Catalog Number: HMFS; HMFN; HMFY
Lot Number: HU1476

Shipping/Storage Temperature: 4 °C
Sample Information: Shipped in HypoThermosol-FRS (HTS-FRS)
Volume: Refer to Product Container

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.

<table>
<thead>
<tr>
<th>Donor ID</th>
<th>Gender</th>
<th>Race</th>
<th>Age (yrs)</th>
<th>BMI</th>
<th>Tobacco History†</th>
<th>Alcohol History†</th>
<th>Drug History†</th>
<th>Medications</th>
<th>Cause of Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU1476</td>
<td>Female</td>
<td>Caucasian</td>
<td>55</td>
<td>26</td>
<td>Yes</td>
<td>No</td>
<td>Not Reported</td>
<td>Xanax: 0.5mg pm</td>
<td>N/A</td>
</tr>
</tbody>
</table>

†If yes, see Tobacco, Alcohol and Drug History section below for additional information

SEROLOGY (PCR detection)
Hepatitis B: Not Available
Hepatitis C: Not Available
HIV 1 & 2: Not Available
HTLV 1 & 2: Not Available
CMV: Not Available

TOBACCO, ALCOHOL AND DRUG HISTORY:
Tobacco history described as 1/2 to 1 pack of cigarettes per day for 3 years.

ISOLATION RESULTS
Viability after Isolation: 89%
Date of Isolation: 24 Apr 2012

For technical questions about this product, contact Invitrogen’s Hepatic Biology Support Team.
Email: hepaticproducts@invitrogen.com  Phone: (USA) +1 866 952 3559  (Europe) +44(0)141 814 5900
The Liver Cells from Lot HU1476 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.

Matthew Rich
Quality Systems Department
25/02/2012
Date