### MHCP Mouse Hepatocytes Cryopreserved Plateable  
**Cell Specification – Certificate of Analysis (CoA)**

| Lot MH181128 | Batch Release: January 29, 2019 |

**Species:** CD-1 Mouse  
**Gender:** female

**Cryopreservation:**  
**Date:** Nov 28, 2018  
**Amount per vial:** 5.2 x 10⁶ cells

**Thawing:**  
Post-thaw viability: 94.0 %  
Post-thaw yield per vial: 2.8 x 10⁶ cells  
Recovery: 53.8 %

**Phase contrast on day 1 after thawing**  
(24well plate)

![Phase contrast on day 1 after thawing](image)

**Phase contrast on day 3 after thawing**  
(24well plate)

![Phase contrast on day 3 after thawing](image)

**Viability test on orbital shaker (Eppendorf Thermomixer C, 1,000 rpm at 37 °C with 0.5 x 10⁶ cells in 0.5 ml HPM-Cryo):**

<table>
<thead>
<tr>
<th>Time (h)</th>
<th>0</th>
<th>0.5</th>
<th>1</th>
<th>1.5</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viability (%)</td>
<td>94.0</td>
<td>61.9</td>
<td>63.6</td>
<td>56.3</td>
<td>63.2</td>
</tr>
</tbody>
</table>

**Recommended seeding density on collagen-coated plates:**  
24well plate – 150,000 cells/well  
Culture in Mouse Hepatocyte Medium (MHM).

**Note:** Yield, viability, recovery and activity assays were performed at PRIMACYT using PRIMACYT’s manual for thawing, plating and culture of primary cryopreserved mouse hepatocytes.

**Store at -150 °C or in the vapor phase of LN₂**

This product should be considered as potential biohazard. Only intended for *in vitro* use.
## Detailed Animal information and Husbandry conditions

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Species</td>
<td>Mouse (Mus musculus)</td>
</tr>
<tr>
<td>Strain</td>
<td>CD-1, IGS (International Genetic Standard)</td>
</tr>
<tr>
<td>Sex</td>
<td>female</td>
</tr>
<tr>
<td>Age</td>
<td>22 weeks</td>
</tr>
<tr>
<td>Weight</td>
<td>36 g</td>
</tr>
<tr>
<td>Vendor</td>
<td>Charles River Germany GmbH &amp; Co. KG, Sulzbach, FRG</td>
</tr>
<tr>
<td>Food</td>
<td>Altromin Maintenance diet for rats and mice (ad libitum), Altromin, Lage, FRG</td>
</tr>
<tr>
<td>Water</td>
<td>ad libitum</td>
</tr>
<tr>
<td>Light/Dark cycle</td>
<td>07:00-19:00 light / 19:00-07:00 dark (12 hour light/dark)</td>
</tr>
<tr>
<td>Temperature</td>
<td>20-24°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>40-70%</td>
</tr>
<tr>
<td>Bedding</td>
<td>Hugro hemp bedding, Saerbeck, FRG</td>
</tr>
<tr>
<td>Cage</td>
<td>Techniplast Eurostandard Type III and Type IV including animal behavioural enrichments</td>
</tr>
</tbody>
</table>

Animals were housed under veterinary control and allowed to acclimate > 7 days before use. Animal housing permit according to §11 Abs. 1 TSchG, dated March 20, 2017 under supervision of Veterinary Office of Landkreis Ludwigslust/Parchim, FRG. Hepatocytes were obtained from a non-infectious, non-contagious, healthy animal.

Issued by: M. Thiede  
Verified by: D. Runge