Interest in any of the products, request or order them at Bio-Connect.
Hepatocytes are a crucial tool for studying drug uptake, metabolism and toxicity, and reproducible results require robustly functioning hepatic cells with stable expression of transporters and metabolic enzymes.

HepaRG™ cells provide the metabolic function, viability and stability you need. Don’t depend on unpredictable, costly hepatocytes, or recombinant non-human or non-hepatic cells that have compromised functional activity. Merck Millipore is now the supplier for Biopredic’s original, widely cited HepaRG™ cells, manufactured to the highest quality standards, available to you in a convenient, ready to use, cryopreserved format.

HepaRG™ cell advantages:
- Widely cited in publications
- Major liver-specific functions expressed, including Cytochrome p450s, transporters, nuclear receptors and metabolic enzymes
- Functional stability
- Reproducible and consistent data
- Suitable for high throughput screening
- High viability

“HepaRG™ activities were comparable to those usually found in primary human hepatocyte cultures.”

CYPs 3A4 and 1A1/2 are induced in the Cryopreserved HepaRG™ cells to a level comparable to that in cryopreserved human hepatocytes but CYP 2C9 is not. Cryopreserved HepaRG™ cells or cryopreserved human hepatocytes were incubated for 72 hours with 25µM rifampicin (CYPs 3A4 and 2C9) or 25µM omeprazole (CYP 1A1). The level of CYP induction was assessed using Promega P450 Glo assay kits specific for each CYP. The data are the mean ± SD of triplicate determinations.

Here HepaRG™ CYP 3A4 was induced to a level comparable to that in the human hepatocytes. HepaRG™ 1A1/2 was induced to a level greater than that observed in the human hepatocytes. Finally, HepaRG™ CYP2C9 was induced to a lower level relative to the human hepatocytes.

www.millipore.com/HepaRG
HepaRG™ cells are terminally differentiated hepatocellular carcinoma cells that reproducibly express:

- cytochrome p450
- CYP1A2, CYP2B6, CYP2C9, CYP2E13A4
- nuclear receptors (CAR, PXR) at levels consistent with primary hepatocytes
- phase 2 enzymes

<table>
<thead>
<tr>
<th>Product</th>
<th>Size</th>
<th>Cat. No</th>
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<tr>
<td>Cryopreserved HepaRG™ Cells</td>
<td>1 mL in vial with ≥8 x 10⁶ viable cells</td>
<td>MMHP116</td>
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<tr>
<td>HepaRG™ Thawing/Plating Medium Supplement</td>
<td>12.5 mL</td>
<td>MMADD671</td>
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<tr>
<td>HepaRG™ Tox Medium Supplement</td>
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<td>MMADD631</td>
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<tr>
<td>HepaRG™ Serum Free Induction Medium Supplement</td>
<td>0.6 mL</td>
<td>MMADD651</td>
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<tr>
<td>HepaRG™ Culture Medium Supplement</td>
<td>14.0 mL</td>
<td>MMADD621</td>
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