

Cat No. RCDH001N:  $8.2 \times 10^6$  cells

Lot No. A01QU16

Store in liquid nitrogen

## Properties and biological tests

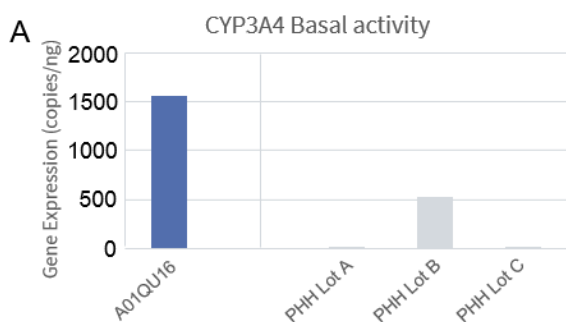
|   |   |
|---|---|
| <b>Purity</b> (estimate based on albumin secretion) | >90%  |
| <b>Viability</b> (post thaw trypan blue staining)   | >70%  |
| <b>Mycoplasma</b> (detection by PCR analysis)       | Negative  |
| <b>Sterility</b>                                    | PASS  |
| <b>Source Material (iPSC clone)</b>                 | RPCHiPS771 (male, healthy, 32 yr)                 |
| <b>Reprogramming (iPSC clone)</b>                   | StemRNA SR-Reprogramming                          |
| <b>Viral Tests on Source Material</b>               | HIV, HCV, HTLV, HPC, HBSAG, STS – <b>negative</b> |

## Analytical Data

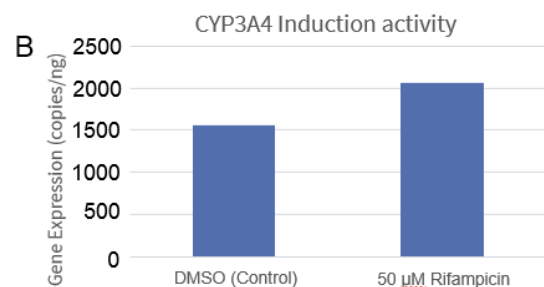
ReproHepato cells are observed on day 5 after plating on Matrigel. The observed hepatocyte morphology includes cuboidal or polygonal shape, bile canaliculi, and distinct nuclei / nucleoli.



The expression level of CYP3A4 was measured by an absolute quantification method using plasmid DNA as reference material in RT-PCR analysis. The unit reported is equivalent to molecules per 1 ng RNA template.



(A) The blue bars correspond to ReproHepato cells cultured for 8 days. The gray bars correspond to primary human hepatocytes (PHH) cultured for 4 days (reference data).



(B) Mature ReproHepato cells were grown in ReproHepato Assay medium containing 50 µM Rifampicin. Both control and experiment contain 0.1% DMSO (for drug dissolution).