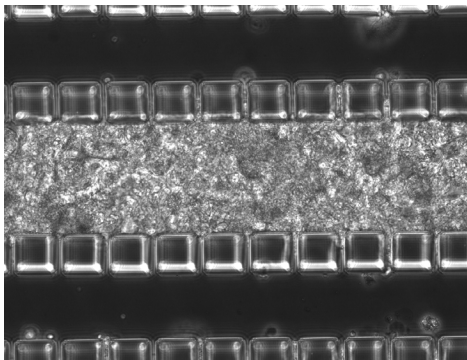
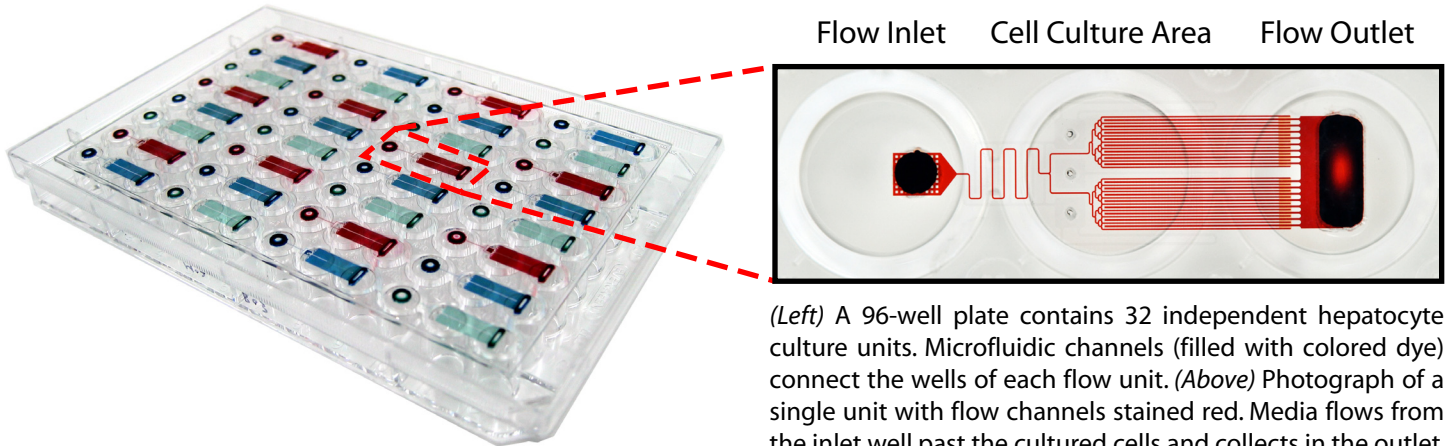
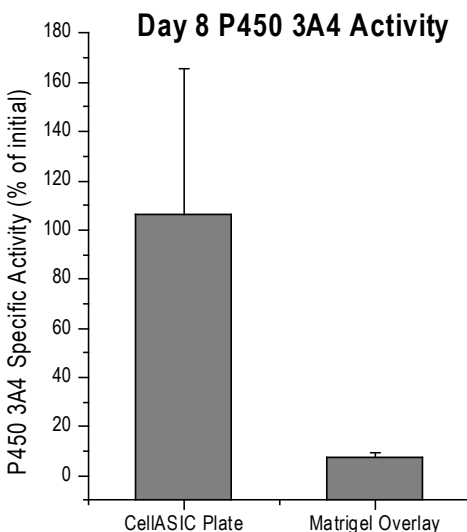


An innovative microfluidic design enables primary hepatocytes to be maintained in a “liver-like” configuration under continuous perfusion of media. The standard 96-well format and passive gravity driven perfusion allows simple integration with your current workflow.



Human hepatocytes in a segment of the microfluidic sinusoid network



## Key Features

**Enhanced primary hepatocyte function-** Within 3 days after loading fresh suspension cells in the microfluidic plate, hepatocytes assemble into 3D aggregated cords with improved viability, metabolic function, and long term stability.

**Innovative microfluidic sinusoid design-** CellASIC’s proprietary microfabrication methods enable the precision engineering of a liver-like environment, consisting of parallel hepatocyte cords fed by micro-capillary channels under continuous perfusion. A set of oxygenation channels maintains adequate gas transport.

**User-friendly Operation-** The standard layout allows the advanced microfluidic units to be operated just like a typical 96-well plate. The gravity driven perfusion design eliminates the need for pump or tubing connections-- simply fill the inlet well with your exposure solution. Compatible with plate readers, microscopy, or downstream analysis of the flow through media.

## Technical Specs

Plate format: SBS standard 96 well plate  
 Units per plate: 32  
 No. of hepatocytes per unit: 20,000-50,000  
 Perfusion rate: 100 ul/day (single unit)

Sinusoids per unit: 16  
 Sinusoid dimensions: 3x0.1x0.04 mm  
 Gas diffusion membrane: 50 um silicone  
 Bottom surface: #1.5 thickness coverglass