

# BPU Series

# Blood Pressure Unit

## Perfusion System for Constant Pressure / Pulsating Constant Pressure

### Model: BPU-D35-2 Components | pump unit, sealed lids for 35mm dish, dish attachment

### Pump Unit

Applications: Constant Pressure Perfusion / Tissue Engineering / Angiogenesis / 3D Culture / Organoid / Blood Pressure Measurement / Biomimetics / Pressure Transducer



### Pump unit can be installed in a CO<sub>2</sub> incubator

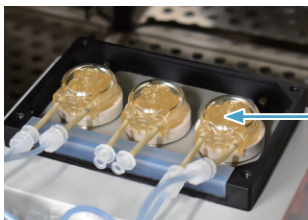
Adopts moisture-proof design and shield technology.  
It is possible to install a perfusion system including a pump in a CO<sub>2</sub> incubator.

### Pulsating constant pressure perfusion for vascular experiments

Three perfusion modes are available: Constant Pressure, Pulsating Constant Pressure, Constant Flow  
The system has a data logging function as standard.

### Non-contact pressure measurement

It measures the flow path pressure during perfusion aseptically.  
By feeding back to the pump, constant pressure liquid feeding is also possible.



The unit inside an incubator has 3 pumps.

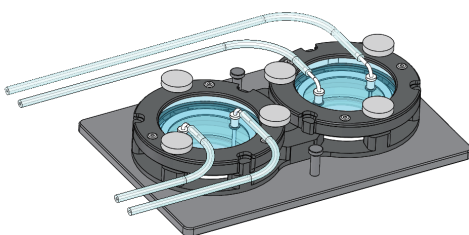


**Pulsating Constant Pressure** Pulsating pressure setting range: 0 - 200 mmHg  
Time setting: every 1 sec \*ideal for vascular experiments.

**Constant Pressure** Pressure setting range: 0 - 200 mmHg  
Setting STEP: 1 mmHg

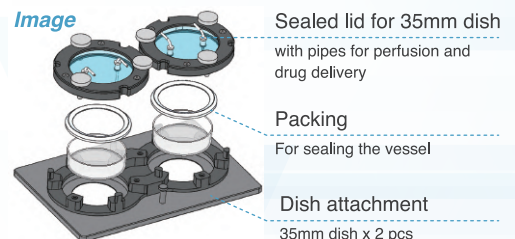
**Constant Flow** Flow rate setting range: 0.3 - 42.0 ml/min  
Setting STEP: 0.1 ml/min

### Sealed lids for 35mm dish, dish attachment



Sealed lids with pipes for perfusion and drug delivery  
Dish attachment for 35mm dish x 2 pcs

Compatible with:  
Corning / Matsunami / MatTek / Eppendorf / Nunc / Greiner



**Tokai Hit, Co, Ltd.**  
306-1 Gendoji-cho, Fujinomiya-shi,  
Shizuoka-ken 418-0074 Japan  
+81 544 24 6699  
Email: [solution@tokaihit.com](mailto:solution@tokaihit.com)

**TOKAI HIT USA INC.**  
Two Bala Plaza Suite 300, Bala  
Cynwyd, PA 19004 U.S.A.  
+1 610 660 7784

Web: [www.tokaihit.com](http://www.tokaihit.com)



Leaflet printed June 2022  
Specifications and products in the catalog are subject to change without any obligation from the distributor/manufacture.