

# CellMembra-3200™

Popular size Perfusion-SUB 3,2 liter

Medium size P-SUB for cell retention in perfusion cultivation setup in a fully single-use setup. The new concept is Pulsating-Tangential-Flow (PTF), which integrates a Single-Use-Bioreactor (SUB) and a Single-Use-Pump (SUP) and the Hollow-Fiber-Filter (HFF) opens for new opportunities.

General features of CellMembra™ medium size Perfusion-SUB:

- SUB configured to satisfy any requirement.
- Minimum Working Volume 400 ml.
- Supplied with Single-Use-Sensors (SUS) and your preferred HFF.
- Pumped volume and obtained broth velocity accurately measured – no guessing.
- The complete and pre-assembled unit packed in dual film bags and precision irradiated – forget the autoclave – ready to use.



*Photos show 3,2 liter SUB integrating HFF and SUB. The red Laser sensor is seen mounted in the white Laser-Support-Clio below the dome of the Clio-100 pump. Of 4 Drive Units from [www.perfusecell.com](http://www.perfusecell.com) from bottom: vacuum pump, pressure pump, air reservoir and on top Clotho-1 for single O-SUP control. P-SUB is comfortable mounted on Magnetic-Stirrer-Table (MST) driven by any servo motor.*

The CellMembra™ 3.200 (3,2 liter Vessel Volume) is from birth a P-SUB by integrating both the SUB, HFF, O-SUP, SUS – all in one package. Feature 5 x PG 13,5 ports for either Re-Usable-Sensors and/or pre-installed Single-Use-Sensors. The Clio-100 O-SUP offer a selectable 1 - 100 ml/stroke capacity, able to pump 15 strokes/min and measure pumped volume with very high accuracy.

September 2018, ver 1.3