POC-R2 System – Overview

External dimensions: Base plate Ø 58 mm x 6.5 mm

Closed Cultivation

Observation area: 8 cm^2, ∅ 32 mm
Weight (approx): 31.6 g
Volume: 1 mm gasket approx. 0.9 ml
2 mm gasket approx. 1.8 ml

Open Cultivation

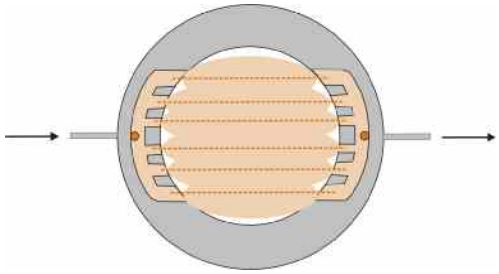
Observation area: **6.6 cm2, ∅ 29 mm**
Weight (approx): **43.7 g**
Volume: up to 1.2 ml

Closed Perfusion

Observation area: 6.6 cm^2, ∅ 29 mm
Weight (approx): 41 g
Inner height of the chamber:
Silicone gasket 0.5 mm = **1.5 mm**
Volume: 0.5 mm gasket: approx. 1.0 ml
Flow-rate: For optimal physiological conditions in cell cultures, we recommend a flow rate of 0.1-0.25 ml/hr.

Perfusion Adapter for Closed Perfusion

A better perfusion of the nutrition medium over the whole cultivation area can be achieved.



Open Perfusion

Observation area: 6.6 cm^2, ∅ 29 mm
Weight (approx): 69.5 g

The distance between the growth surface and the top of the adapter = **13 mm.**

Open Perfusion *(flat version)*

Observation area: 6.6 cm2, ∅ 29 mm
Weight (approx): 73.1 g

The distance between the growth surface and the top of the adapter = **8.5 mm.**