



## BioChip BC002

Version 2

| Technical Data          |   |
|-------------------------|---|
| Catalogue number        | BC002   |
| BioChip type            | Two channel membrane chip   |
| Number of cavities      | 2   |
| Dimensions              | 75 mm x 25 mm x 8 mm  |
| Weight                  | 5.3 g   |
| Material                | bulk material: PBT / bonding: PC  |
| Membrane specifications | PET /<br>0,4 µm pore size and $2,1 \times 10^6/\text{cm}^2$ pore density<br>3 µm pore size and $0,6 \times 10^6/\text{cm}^2$ pore density<br>5 µm pore size and $0,6 \times 10^6/\text{cm}^2$ pore density<br>8 µm pore size and $1 \times 10^5/\text{cm}^2$ pore density |
| Inlets/Outlets          | Standard luer connection / infection port: mini luer connection   |
| Shelf life              | 1 year from the date of manufacture (printed on the chip)   |
| Storage conditions      | room temperature, protected from dust and direct sunlight   |
| Sterilisation           | Autoclave: No / Radiation: Yes / Alcohol: Yes   |
| Operating temperature   | 37 °C   |
| Field of application    | For research use only!  |

| Specifications for cell culture applications |                      |
|--|----------------------|
| membrane area top and bottom channel         | 1.32 cm <sup>2</sup> |
| area top channel                             | 2.18 cm <sup>2</sup> |
| volume top channel w/o inlet/outlet          | 140 µL               |
| volume top channel for cell seeding          | 200 µL               |
| volume top channel for medium exchange       | 250 µL               |
| volume top channel incl. inlet/outlet        | 290 µL               |
| area bottom channel                          | 1.62 cm <sup>2</sup> |
| volume bottom channel w/o inlet/outlet       | 70 µL                |



| Specifications for cell culture applications |             |
|--|-------------|
| volume bottom channel for cell seeding       | 150 $\mu$ L |
| volume bottom channel for medium exchange    | 250 $\mu$ L |
| volume bottom channel incl. inlet/outlet     | 270 $\mu$ L |

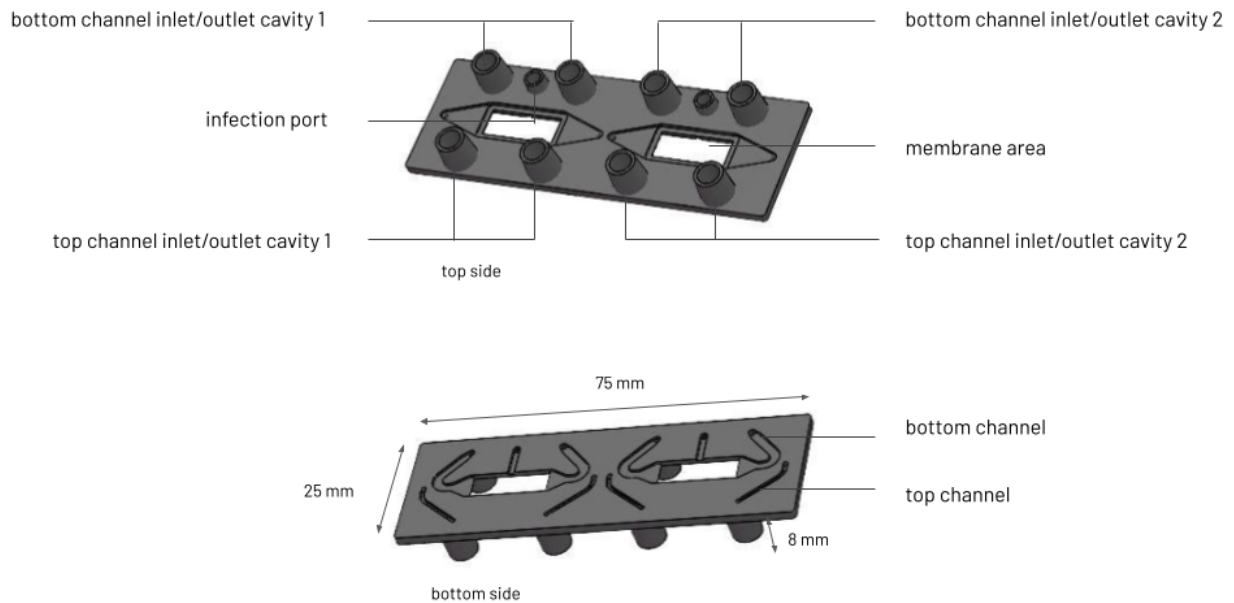


Fig. 1: Schematic drawing of D42 BioChip BC002.

