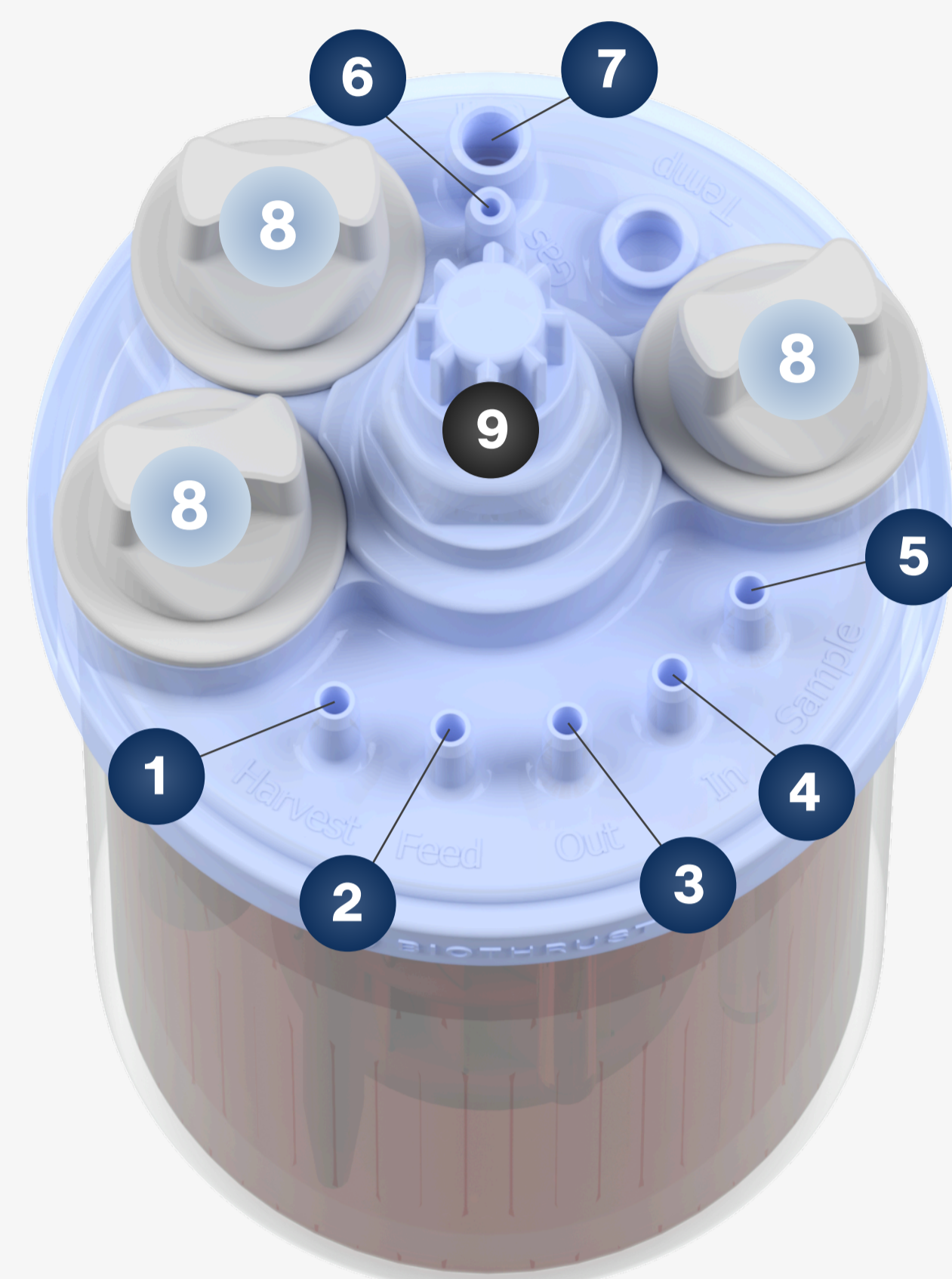


## Basic Information INCU

### Ports

- |  |                                      |
|--|--------------------------------------|
| <b>1</b> Harvesting<br>Collection of content | <b>6</b> Gas IN<br>Entry of air      |
| <b>2</b> Feeding<br>Addition of fresh media  | <b>7</b> Exhaust<br>Pressure release |
| <b>3</b> OUT<br>Collection of media          | <b>8</b> PG13.5 Ports<br>Dummy ports |
| <b>4</b> IN<br>Addition of fresh media       |                                      |
| <b>5</b> Sampling<br>Collection of samples   | <b>9</b> Motor<br>Connector          |



### Stirring

### Mounting on the base unit

- Place the vessel on the stand
  - Connect the Gas IN tube **6** to the Gas IN pump **10**
- 

### Dimensions

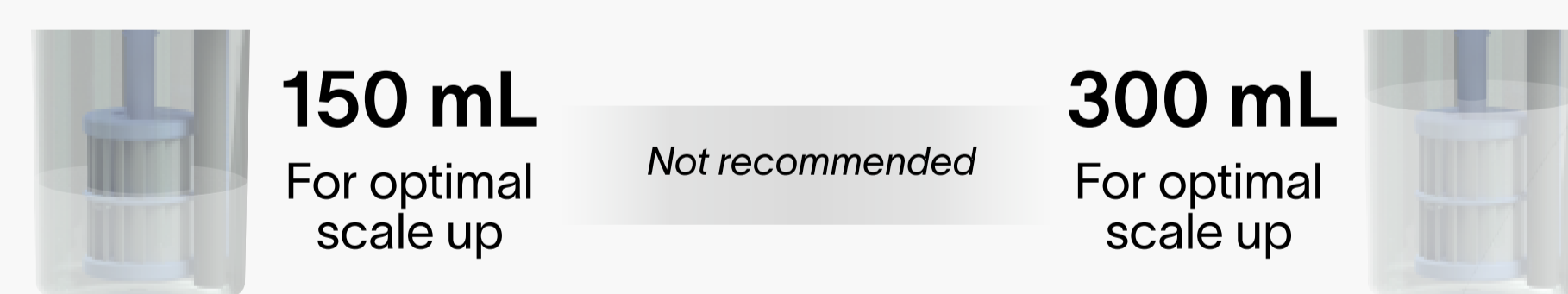
⚠ Check if it fits in your incubator

Height 27.1 cm    Width 12.5 cm    Depth 23.2 cm

### Filters

Diameter    Pore size  
Gas IN: 25 mm    0.2 µm  
Exhaust: 37 mm

### Recommended working volume



### Tube sizes and specifications

<i>Tube sizes</i>	<i>Materials</i>
Gas IN: 3.0 mm	Gas IN: silicone
Exhaust: 7.0 mm	Exhaust: silicone
All other: 3.2 mm	All other: C-flex

### Recommended agitation



## Calibration & Preparation INCU

### Preparation

- Pre-wetting**
  - Fill with DI Water (total vessel volume) and stir for 20 min
    - ⚠ Always start the gas input
    - Check for leakage and gas bubbles
  - After wetting, **discard the water**
- Autoclaving** Settings: 121 °C for 20 minutes (~15 PSI); End temp. 70 °C ⚠ 134 °C not suitable
  - Clamps: Keep clamps open during autoclaving, close afterwards
  - Cover filters (use aluminum foil; do not cover the drive shaft)
  - Put the vessel inside the sterilization bag
  - Orientation: Autoclave the vessel standing up, take care that tubings are not bent
  - Remove the vessel from the sterilization bag inside a biosafety cabinet and check if tubes and ports are intact
- Connect peripherals**
  - Place the vessel on the base unit in the incubator
  - Gassing: Connect gassing system

### Inoculation

- ⚠ Check before inoculation
  - Probe orientation**  
Confirm *dummy* probes are not in contact with the stirrer/wall
  - PG13.5 plug tightness**  
Ensure all PG13.5 plugs are tight under a biosafety cabinet. If needed, retighten
  - Cooling**  
Keep exhaust filter vertical (not bent down)

### Inoculation start

- Cooling: Wait for the system to cool down before adding media
- Add media to the system, use at least as much to cover most of the stirrer
- Suggestion: Let the system run until temperature and DO are stable (~ 1 h)
- Inoculate once all conditions are stable
  - ⚠ Always start gas input