**Bioreactor Assembly Instructions:**

1. Place the cone inside the reservoir so that it is supported by the internal rim on the reservoir
2. Place propagation framing into the cone so that both pieces fit together to form a circle
3. Screw the dome onto the reservoir
4. Insert one of the tubes from the pump into the hole near the bottom of the reservoir
   1. Insert other tube into the hole near the rim of the dome
5. Insert temperature sensor into the smaller hole at the top of the dome
6. Insert CO2 sensor into the bigger hole at the top of the dome.

Print Settings:

* Touchpoint Size:
  + **Dome:** 0.30mm
  + **Reservoir:**
  + **Cone:** 0.35mm
  + **Framing:** 0.35mm
* Density:
  + **Dome:** 0.75
  + **Reservoir:**
  + **Cone:** 0.6
  + **Framing:** 0.6
* PreForm Settings:
  + **Printer:** Form 3B
  + **Material:** Durable V2
  + **Layer Thickness:** Adaptive
  + **Print Settings:** Default
* Other:
  + **Raft Types:** Mini Rafts
* **Note:** There are two versions of the dome available to print. It is recommended that the Dome\_0.3mm Tolerance file be printed instead of the Dome\_0.5mm Tolerance file. The 0.3mm tolerance will allow for a tighter fit between the Dome and Reservoir upon assembly, as we found that a 0.5mm tolerance leaves too much room between the threads.