

TISSUE BATH STATION ASSEMBLY GUIDE

1. Assembling Base Stand and Rods



Fig. 1.1 Base Stand Before Assembling



Fig. 1.2 Base Stand Connections

The connection points of the base stand are pre-assembled by BIOPAC. Here, you only need to assemble three rods.

a) Assembling Thin Long Rod

Place the Thin Long Rod in the hole at the back of base stand. First, screw 1-2 turn by hand (Fig. 1.3) and continue to screw by using rod fixing apparatus as shown in Fig. 1.4. Then, lower the white rod cover as shown in Fig. 1.5.



Fig. 1.3

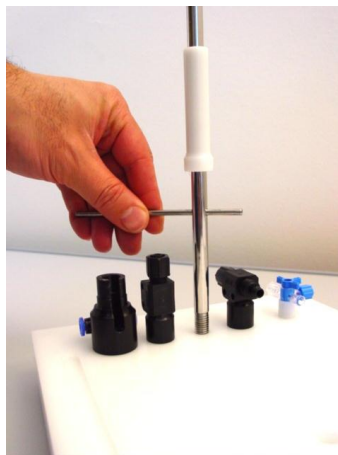


Fig. 1.4



Fig. 1.5

b) Assembling Thick Long Rod

Place the Thick Long Rod in the hole at the middle of the base stand. The procedure is the same as a). See the figures 1.6-7-8.



Fig. 1.6

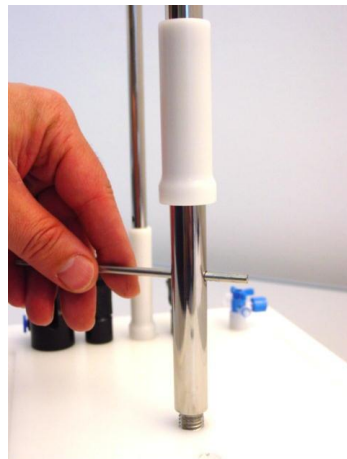


Fig. 1.7



Fig. 1.8

c) Assembling Thin Short Rod

Place the thin Short Rod in the hole at the front of the base stand. The procedure is the same as 1.a). See the figures 1.9-10-11.



Fig.1.9



Fig.1.10

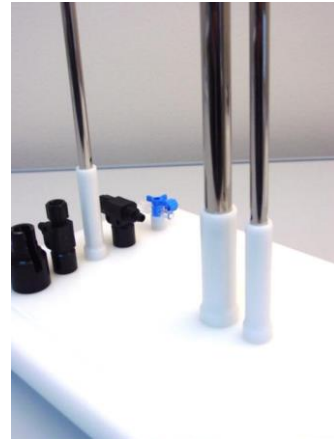


Fig.1.11

2. Placing Bath Holder

Hold the Bath Holder so that the tightening screw is on the right side. Then, insert the appropriate rods through the holes of the bath holder. Place the holder as shown in Fig.2.1.

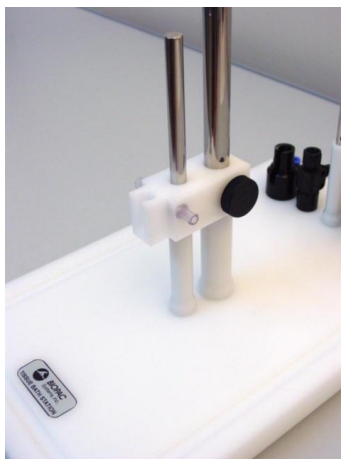


Fig.2.1 Placing Bath Holder

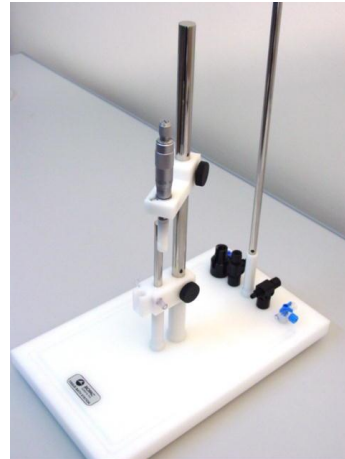


Fig.3.1 Placing Micrometer Assembly

3. Placing Micrometer Assembly

Hold the Micrometer Assembly so that the tightening screw is on the right side. Then insert the thick long rod through the hole and lower the micrometer assembly about 15 cm and fix by using tightening screw. See figure 3.1.

4. Placing Transducer Holder

Fix the transducer holder by tightening screw about 5 cm from top of the long thick rod. Be sure the position is the same as in figure 4.1.

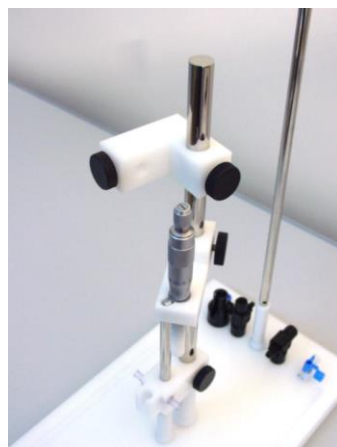


Fig.4.1 Placing Transducer Holder

5. Placing Warming Coil and Warming Coil Holder

The coil and the coil holder are pre-assembled to each other by BIOPAC. Here, you only need to place the assembling on the long thin rod at the back of the base stand. Tighten the assembly at the middle of the rod. Be sure the BIOPAC label faces front and tightening screw is in back. See figure 5.1.



Fig.5.1 Placing Warming Coil and Holder Assembly

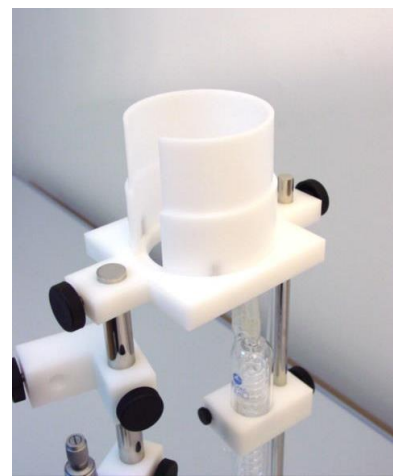


Fig.6.1 Placing Reservoir Holder

6. Placing Reservoir Holder

Place and tighten the reservoir holder on top of the long rods as shown in figure 6.1.

7. Placing Tissue Bath

The hoses are pre-assembled on the tissue bath. You need to place the tissue bath on the bath holder. Insert the glass rod of the bath through the semi-open hole in front of the holder. Be sure the open end of the bath will face up.



Fig 7.1 Placing Tissue Bath

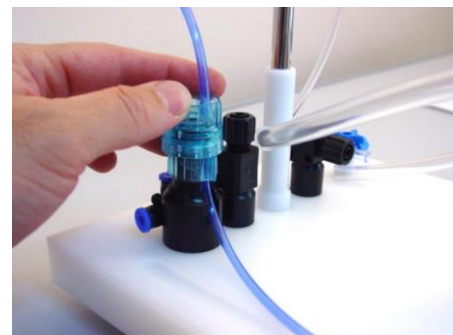


Fig 8.1. Placing Oxygen Valve

8. Placing Oxygen Valve

Place the oxygen valve in the oxygen valve holder at the back-left of the stand base. Same force may be required when inserting. See figure 8.1.

9. Attachments of Hoses

a) *Solution Input Hose* coming from the right side of the bath has 3-way valve on end. Screw the valve to the pipe on the right side of the bath holder. See figures 9.1-2.



Fig.9.1



Fig.9.2

b) Attachment of the *Warming Water Input of Bath Hose*:

- i) Unscrew and remove the plastic ring of heating water input adaptor that is in right-back position of the base stand. See figure 9.3.
- ii) Place the plastic ring on the hose. See figure 9.4.
- iii) Insert the hose to the end of adaptor. See figure 9.4.
- iv) Screw the plastic ring so that the hose is tightened. See figure 9.5.



Fig.9.3



Fig.9.4



Fig.9.5

c) Screw *Bath Solution Draining Hose* that is coming from front of the bath to the 3-way valve in right-back position of the base stand. See figures 9.6-7-8.



Fig.9.6

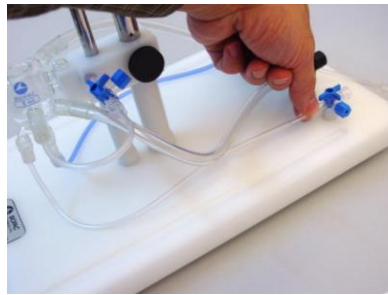


Fig.9.7

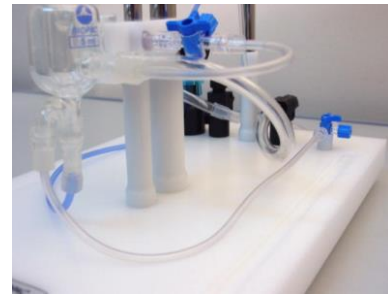


Fig.9.8

d) Insert the *warming water output of bath hose* that is coming from up-right of the bath to the open end of the warming coil as shown in figures 9.9-10. To ease the inserting silicon hose, make the glass surface a little wet by water.



Fig.9.9



Fig.9.10

e) Screw the thin *hose of warming coil solution output* that is coming from bottom end of coil to the left end of pipe of bath holder. See figures 9.11-12.



Fig.9.11



Fig.9.12

f) Attach the *warming coil water output hose* that is coming from up-left of the warming coil to the up end of the water output adaptor as explained in 9.b). See figures 9.13-14-15.



Fig.9.13



Fig.9.14



Fig.9.15

g) Insert by pressing the short hose coming from the oxygen-adjusting valve to the up end of the T adaptor as shown in figure 9.16. Be sure that the hose is placed completely till end. See figure 9.17. (Note: To remove this type connection, you must first press the ring then pull out the hose. Pulling out the hose without pressing the ring will not be possible.)



Fig. 9.16



Fig.9.17

10. Placing Reservoir

Place by inserting reservoir to the reservoir holder. Then, insert the *solution input hose of warming coil* that is coming from top of the warming coil to the bottom end of the reservoir. To ease the inserting silicon hose, make the glass surface a little wet by water. See figures 10.1-2-3.



Fig.10.1



Fig.10.2

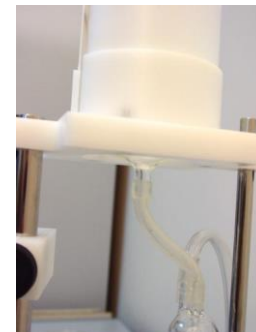


Fig 10.3

11. Attachment of the Hoses in Assembling Accessory Kit

The hoses that are in the assembling accessory kit are shown in the figure 11.1.

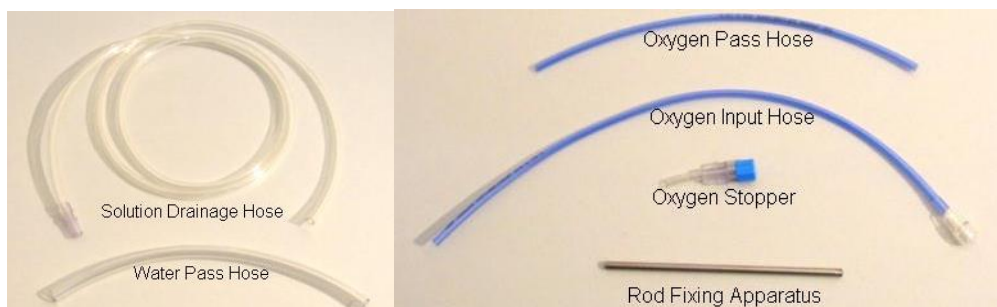


Fig 11.1 Hoses of Assembling Accessory Kit

a) Attach the long *solution drainage hose* to the 3-way valve that is right-back of the base stand as shown in figure 11.2-3.

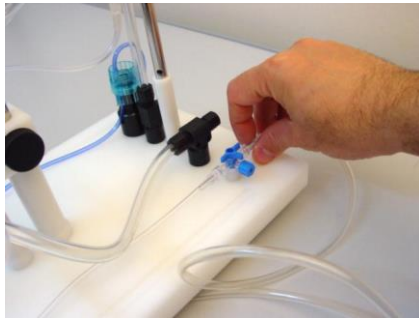


Fig 11.2

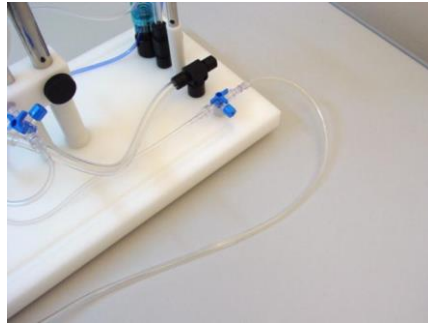


Fig 11.3

b) *Water pass hose* enables the passage for water between two stands. Attach one end of the hose to the water output adaptor as shown in figures 11.4-5-6. The other end will be attached to the next stand for water input.



Fig.11.4



Fig.11.5



Fig.11.6

c) One end of *oxygen pass hose* is attached the left side of the oxygen pass adaptor. Other end will be attached to the next stand as oxygen input. See figures 11.7-8.



Fig 11.7

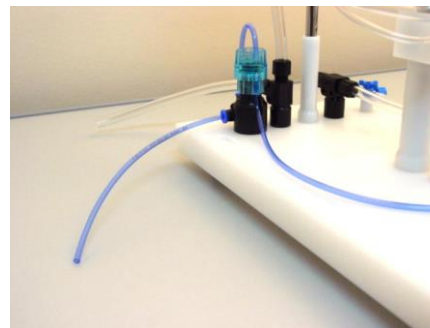


Fig.11.8

d) Insert *oxygen input hose* to right side of the oxygen connection adaptor. See figure 11.9-10. (If the stand is in the middle of the group, then the Oxygen Pass Hose will be connected).

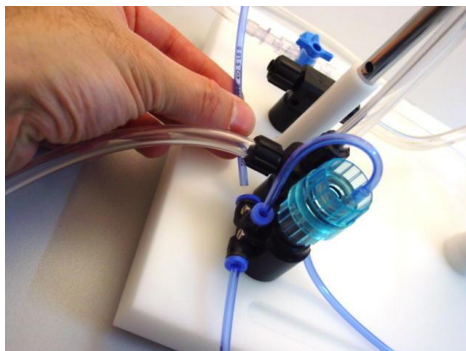


Fig 11.9

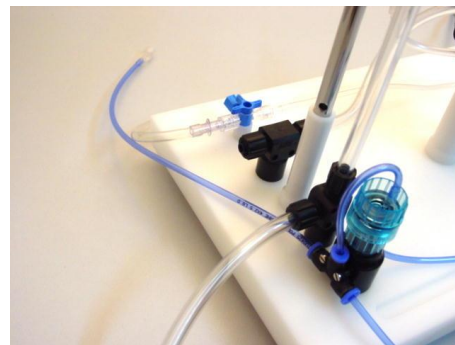


Fig 11.10

e) Attachment of Oxygen Stopper: If the stand is the last one in the group or one stand is used in the system then insert the oxygen stopper as shown in figures 11.11-12.

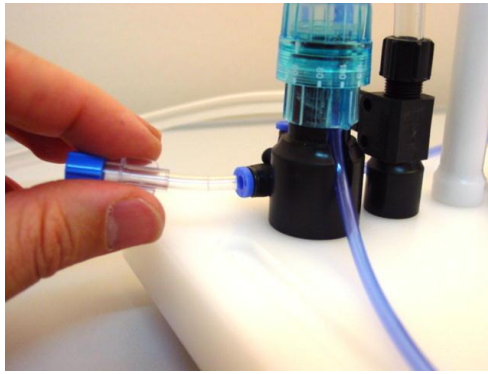


Fig 11.11

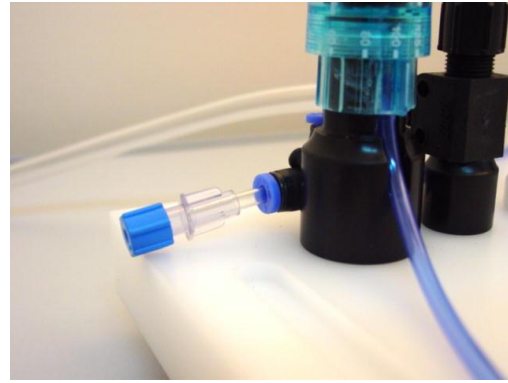


Fig. 11.12

12. Connections to Circulator Inlet/Outlet

a) Attach the heated water, oxygen, and waste tubing lines as shown in figure 12.1.

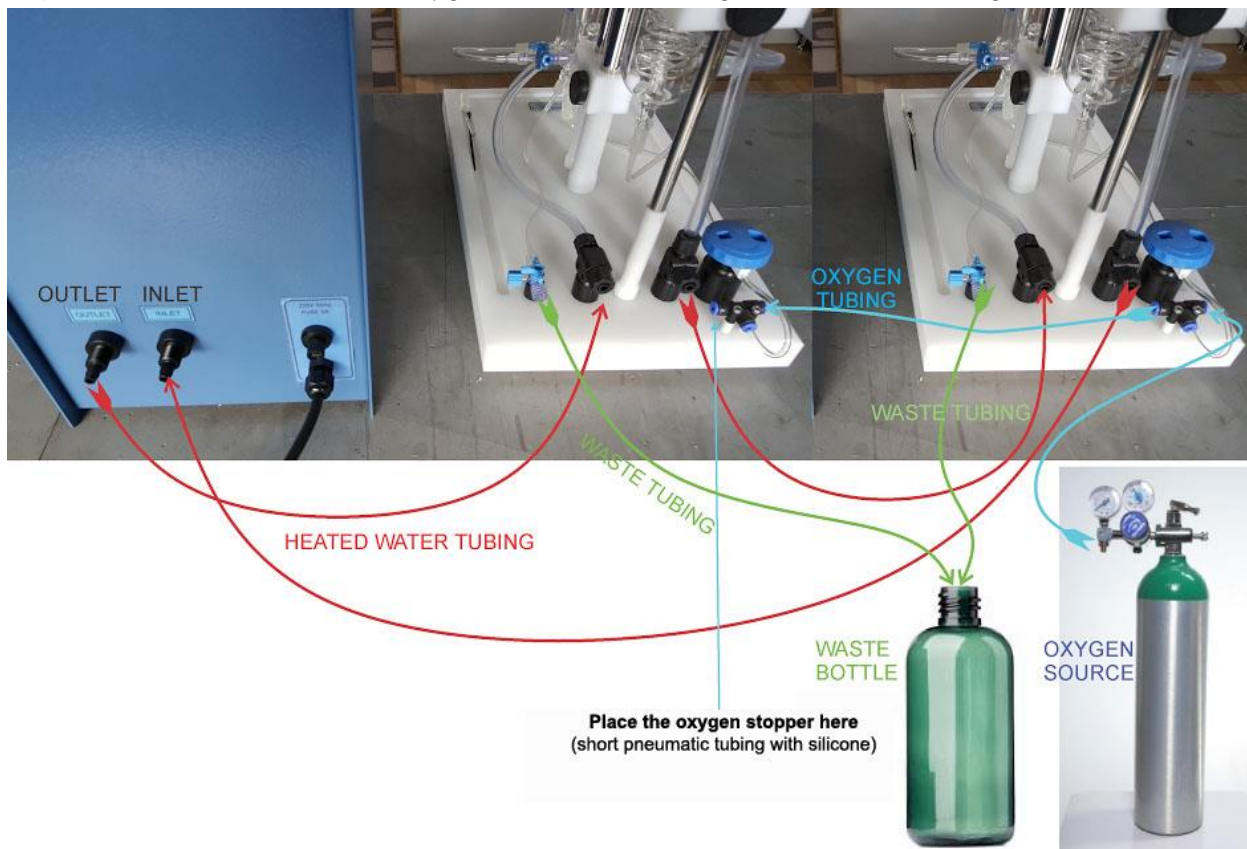


Fig 12.1