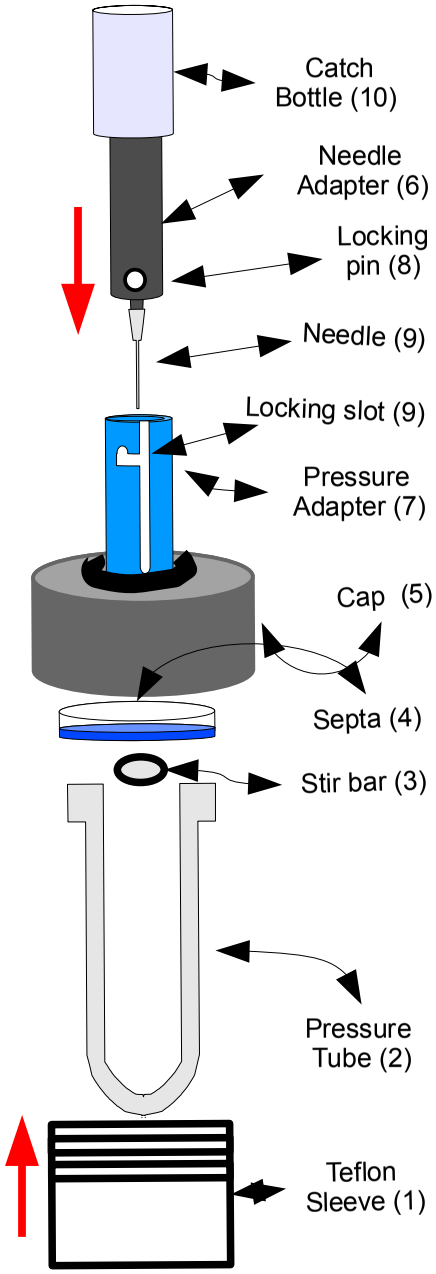
Q-Tube™ (patent pending) **Set-Up**

If you apply microwave reference onto Q-tube, you shall raise temperature (20-40 °C higher than microwave condition) and add more time (8 -30 min more than microwave condition).

IMPORTANT

Due to varying conditions, Q Labtech cannot guarantee glass vessels from breakage under pressure
Do not use it if there are any scratches and cracks on Pressure Tube!
Inspect Needle Adapter (6) and Needle prior to each use. Clogged Needle Adapter (6) and/or Needle could result in potential personal injury!

Step 1. Place a stirring bar (3), reactant(s), reagent(s) and solvent(s) into Pressure Tube (2) and make sure the total volume is at or below 1/3 of total volume of pressure tube
Step 2. Place Teflon Sleeve (1) over Pressure Tube (2) from bottom up
Step 3. Place a septa (4) (**blue PTFE side faces down**) onto Pressure Tube (2)
Step 4. Screw the Cap (5) [with Pressure Adapter (7)] onto PTFE Sleeve (1)
Step 5. Insert the Needle Adapter (6) [with a needle (9) at one end and a Catch Bottle(10) at another end] into the Pressure Adapter (7), turn Locking pin (8) clockwise to engage in Locking slot (9)
Step 6. For safety, turn Pressure Adapter (7) until "***Front Side***" label faces you [Locking slot (9) faces back]
Step 7. Insert Pressure Tube (2) into a Q-Block or an oil bath at room temperature, turn on hot plate/stirrer.
Step 8. Place a weighted safety shield in the front
Step 9. After a reaction completes, cool it down to solvent boiling point or lower, **push Needle Adapter(6) down** to release the internal pressure, then take it out from the Q-Block or an oil bath. **(Pressure is invisible!)**

Note: There are 2 pressure adapters. One is designed to release pressure at or below 120 psi and High Pressure Adapter is to release pressure at or below 200 psi.
All glass pressure tubes are rated at 500 psi.

Pressure Tube-12mL and septa are disposable and shall not be reused!
Hand Wash Pressure Tube-35mL Only!