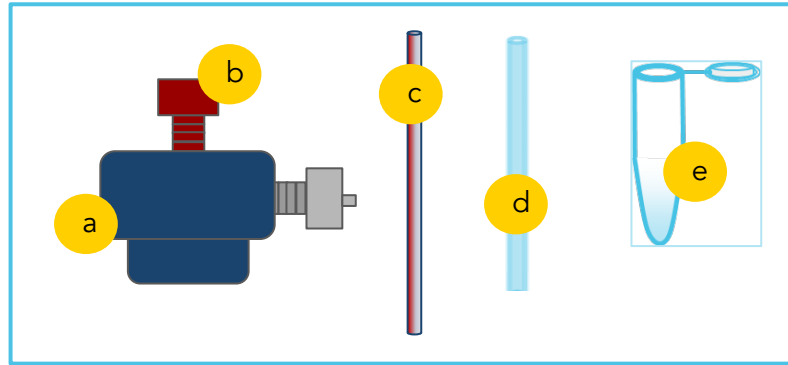


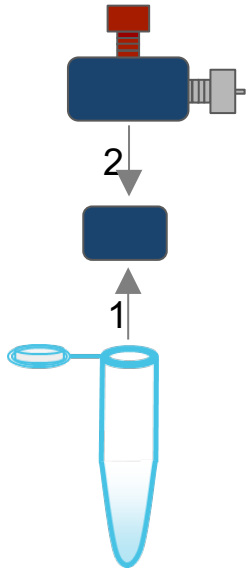
Worm Recovery Kit Components

The Worm Recovery Kit is an add-on to the ScreenChip System designed to help researchers recover the worms after data collection.

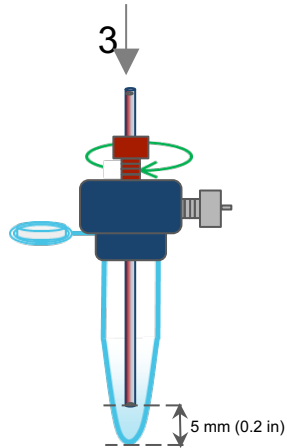


- a** Epitube microfluidic adapter
- b** Fitting knob for 1/16 OD tubing (1/4"-28)
- c** Insert tubing
- d** Liquid trap tubing
- e** 1.5 ml epitube

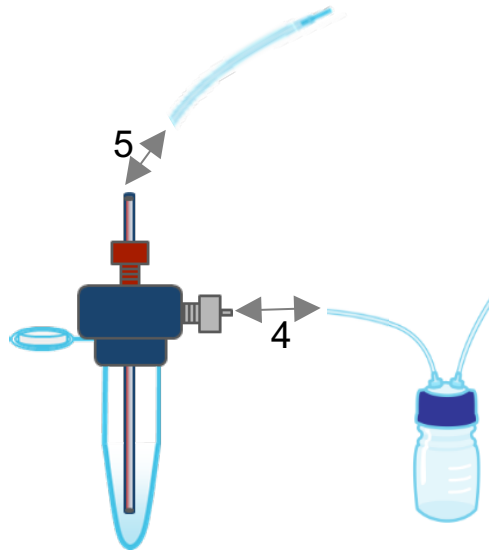
Worm Recovery Kit Assembly



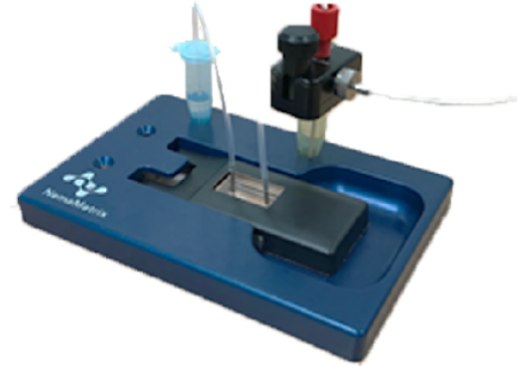
Insert the epifuge into the adapter and reassemble to secure the epifuge.



Insert the insert tubing into the upper knob. Leave ~5 mm clearance at the bottom of the epifuge and secure by tightening the upper knob.



Connect the lateral knob to the vacuum trap and connect the outlet tubing to the insert tubing.

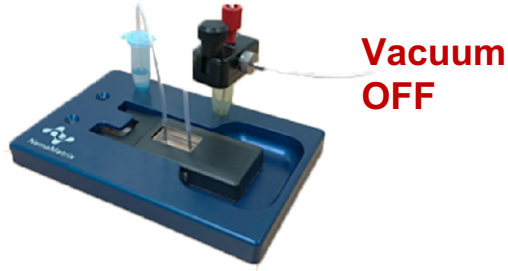



Load the **at least 1.2mL** of worm/buffer into ScreenChip system as per usual.

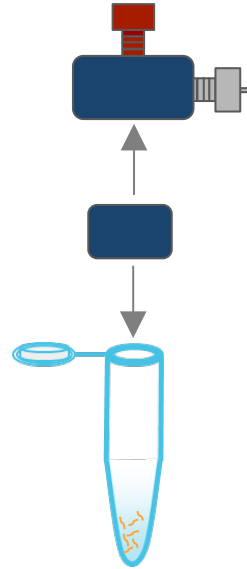


DO NOT DISCONNECT any tubing from the ScreenChip System or kit while the vacuum pump is ON. This will assure a continuous flow and proper collection of the animals at the bottom of the epifuge.

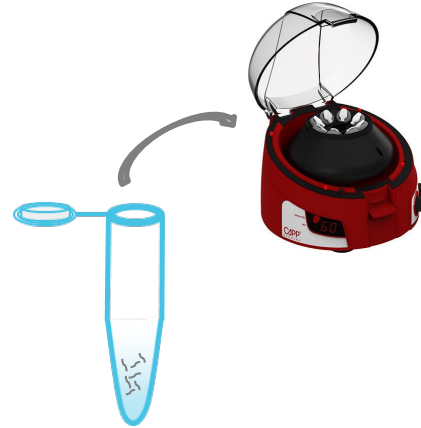
Worm Retrieval



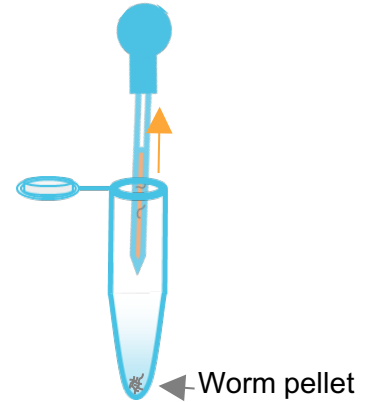
 First turn vacuum OFF. Disconnecting the tubing with the vacuum ON will allow air to be flashed into tubing, splashing liquid/worm mix on the walls of the centrifuge tube making them hard retrieve.



Carefully disassemble the Worm Recovery Kit.



Centrifuge the tube briefly to collect the worms.



Retrieve the worm pellet with a Pasteur glass pipette and recover the worms.