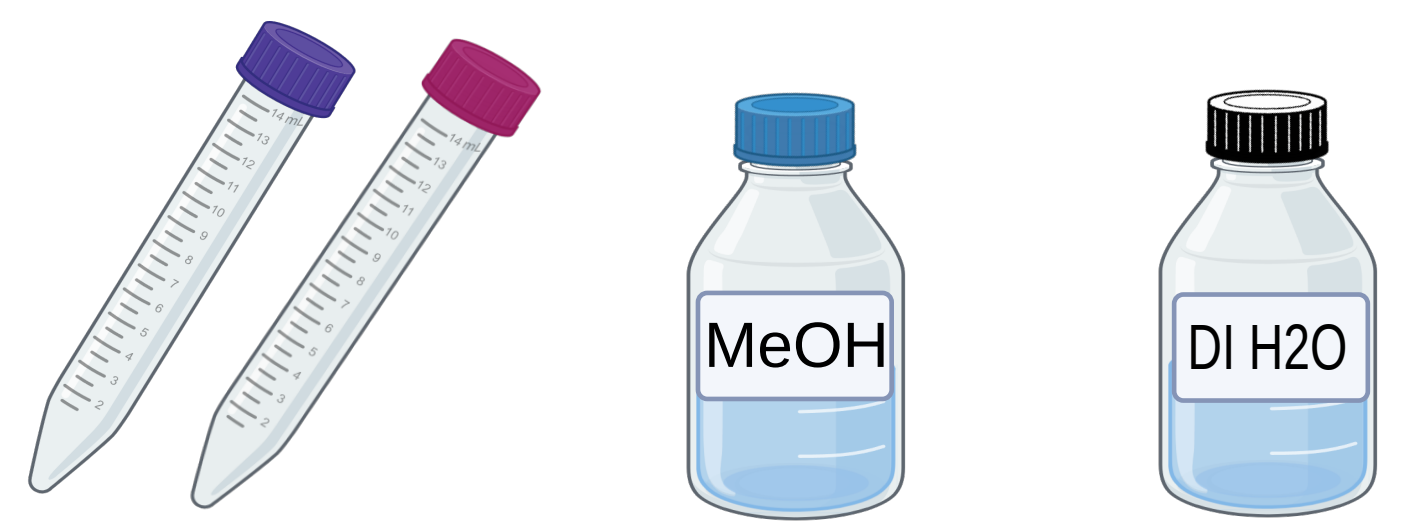


Rapid detection of Domoic Acid in Shellfish and Molluscs

KIT COMPONENTS SUPPLIED BY CUSTOMER



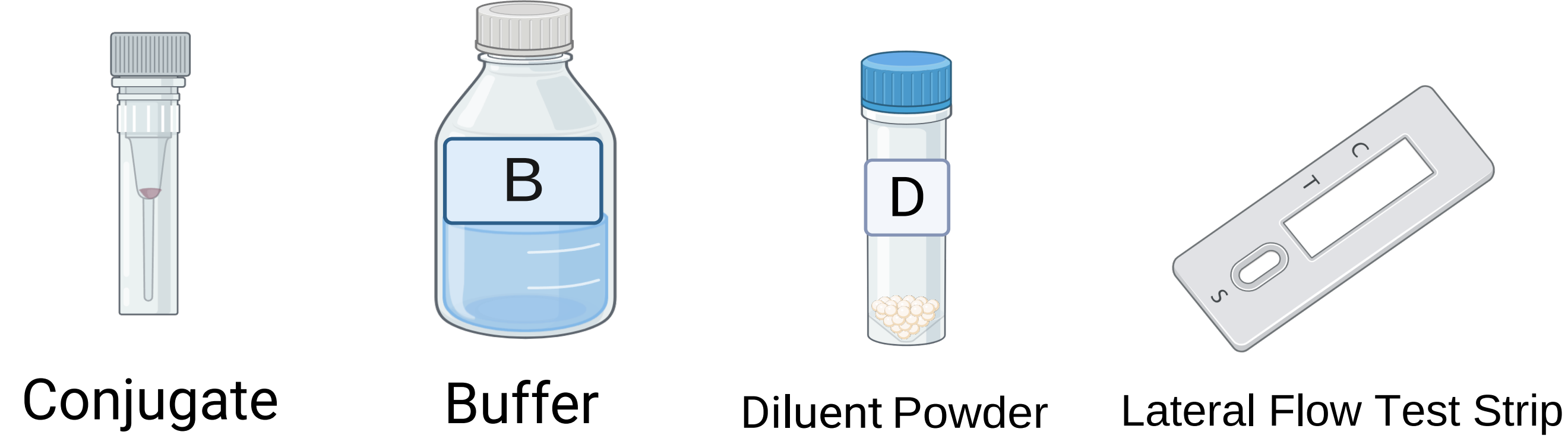
15 mL Tubes for Extraction and Collection

100% Methanol

Deionized Water

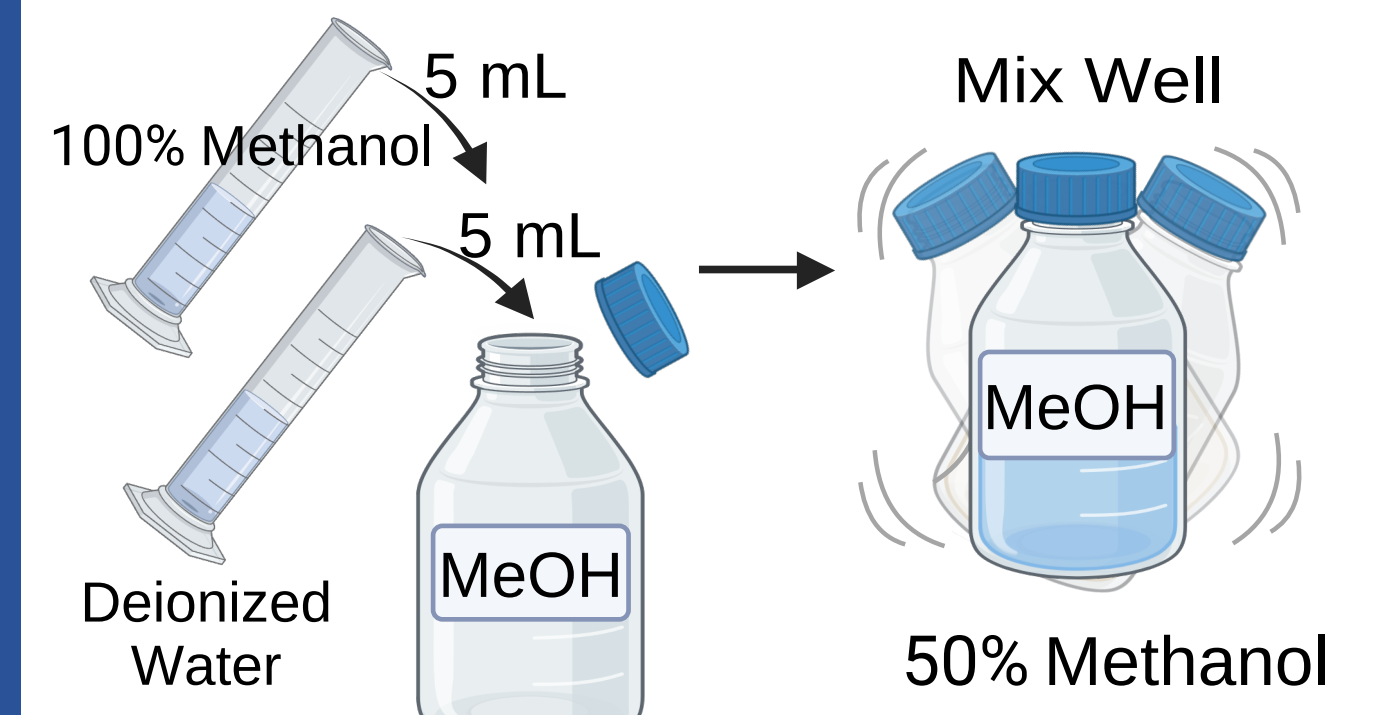
****Do NOT re-use any tubes for multiple samples due to a high risk of toxicity and contamination. Dispose of the tubes after single use****

COMPONENTS SUPPLIED BY SENSOREAL



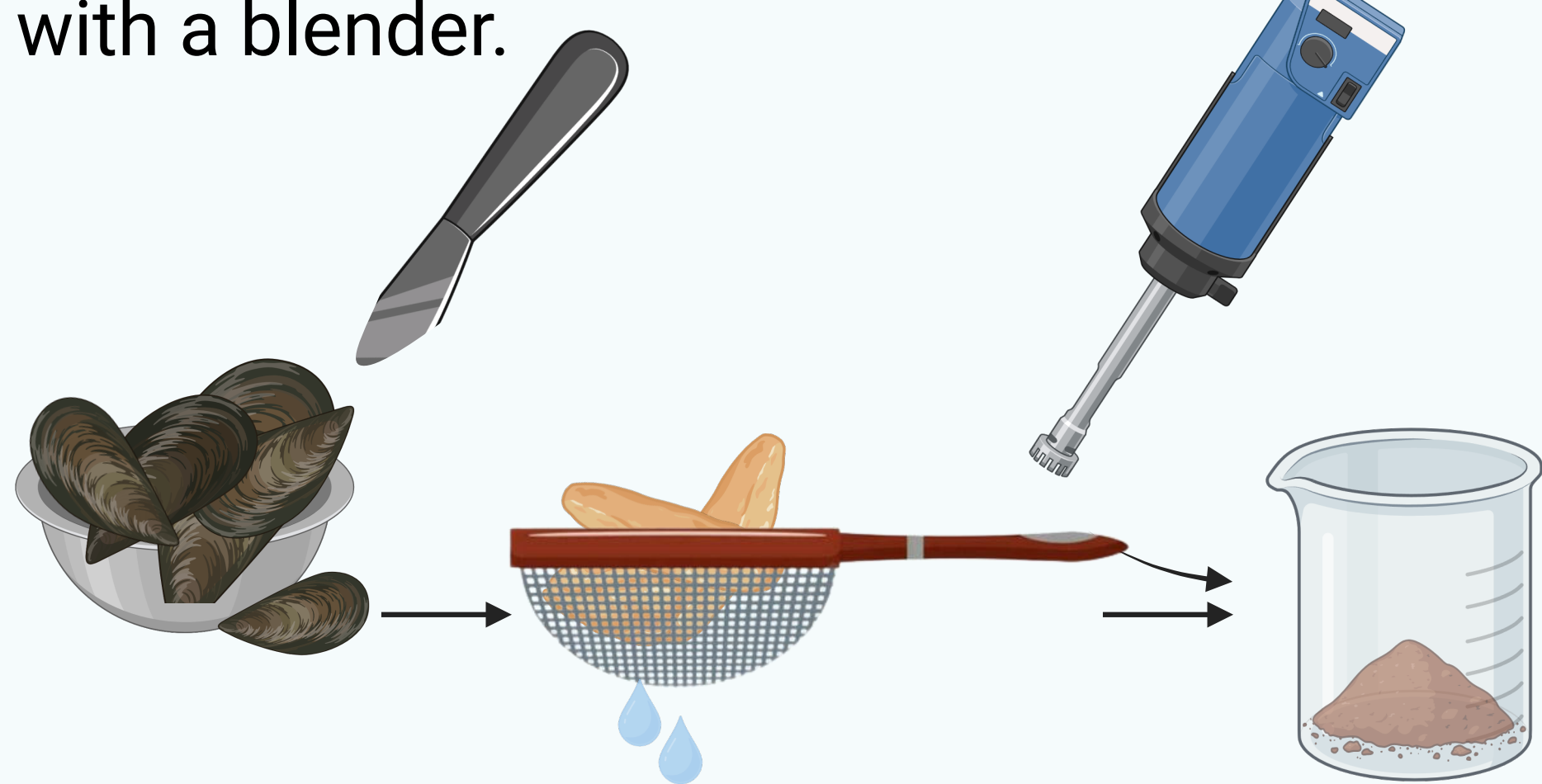
PREPARING 50% METHANOL

Label an bottle "MeOH". Add 5 mL DI water, then add 5 mL Methanol (100%). Mix well.

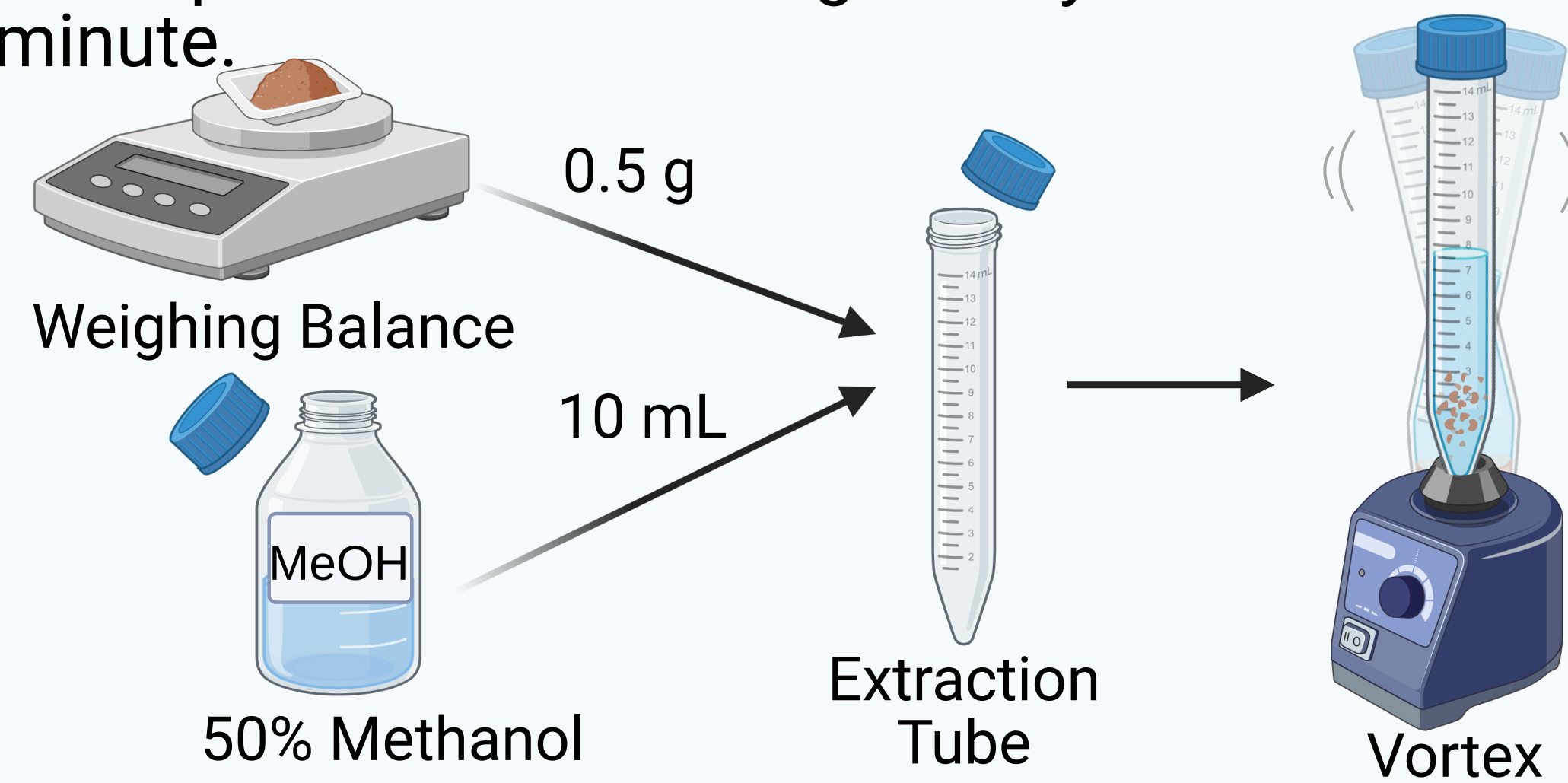


PART A: TOXIN EXTRACTION

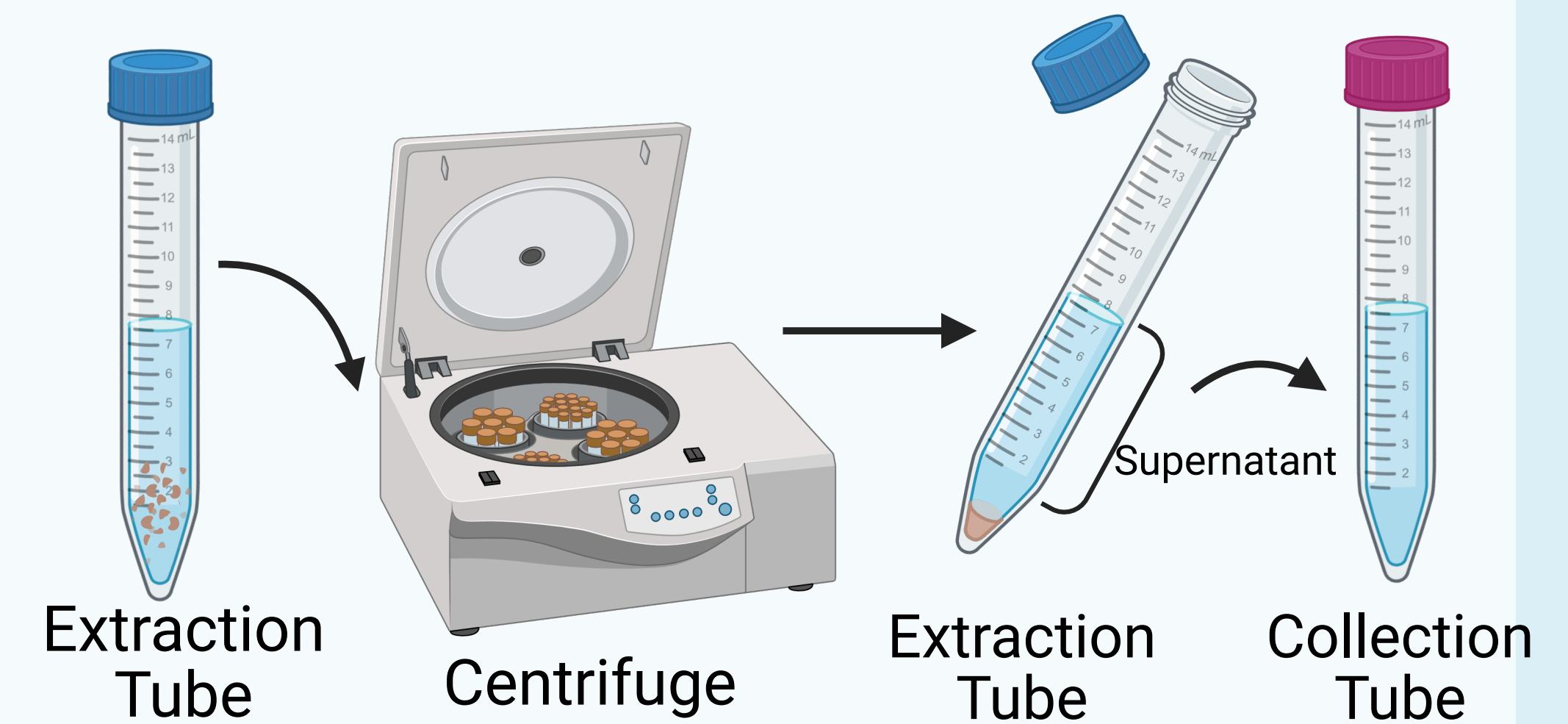
1. Shuck the shellfish. Use at least 100 g of meat as a representative sample. Strain excess liquid from shellfish. Blend the meat with a blender.



2. Weigh out **0.5 g of sample** and **10 mL of 50% methanol solution**. Add both to the Extraction Tube provided. Shake vigorously or vortex for 1 minute.

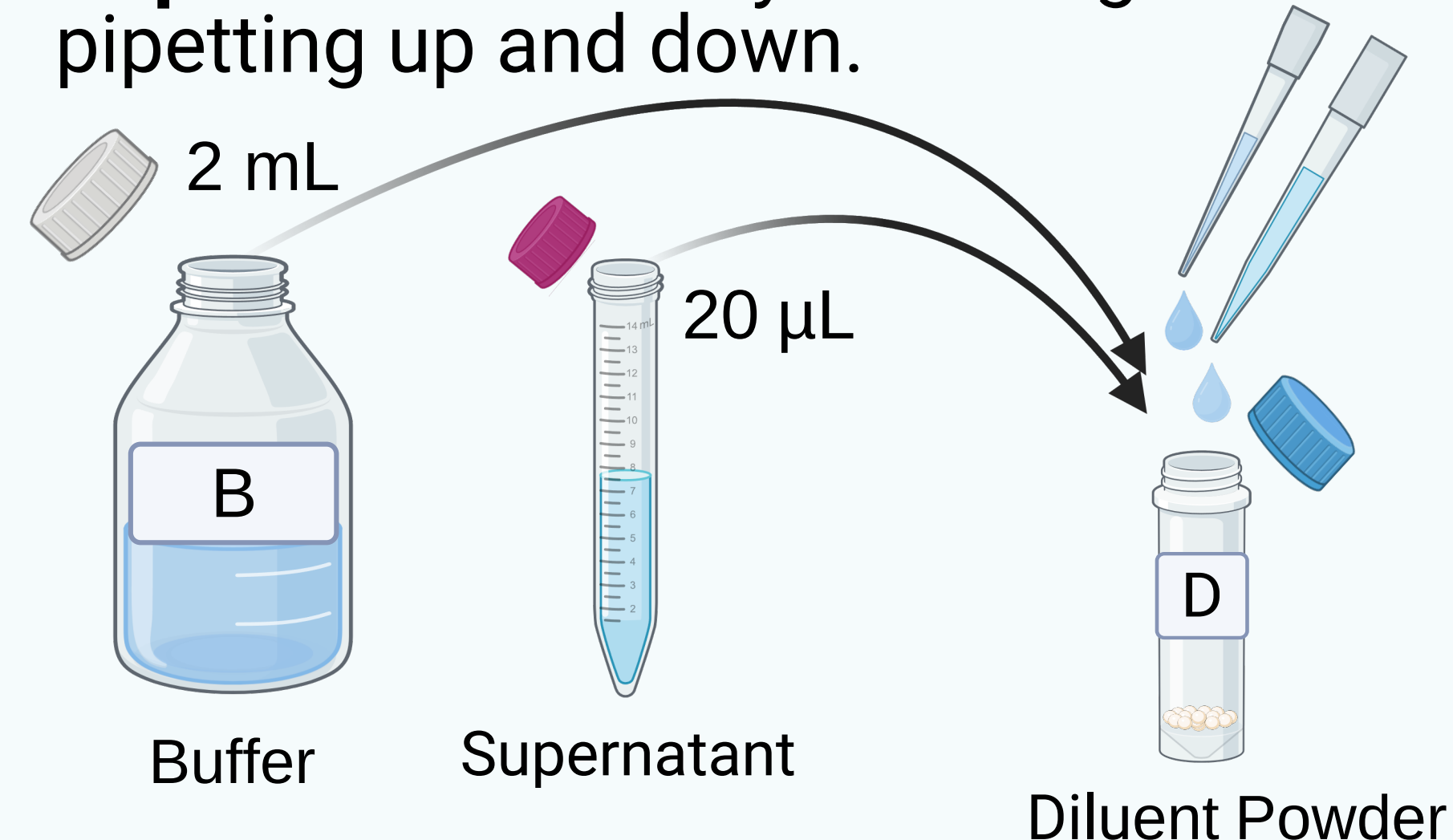


3. Centrifuge at 5000 rpm for 15 minutes. Transfer the supernatant into a Collection Tube.

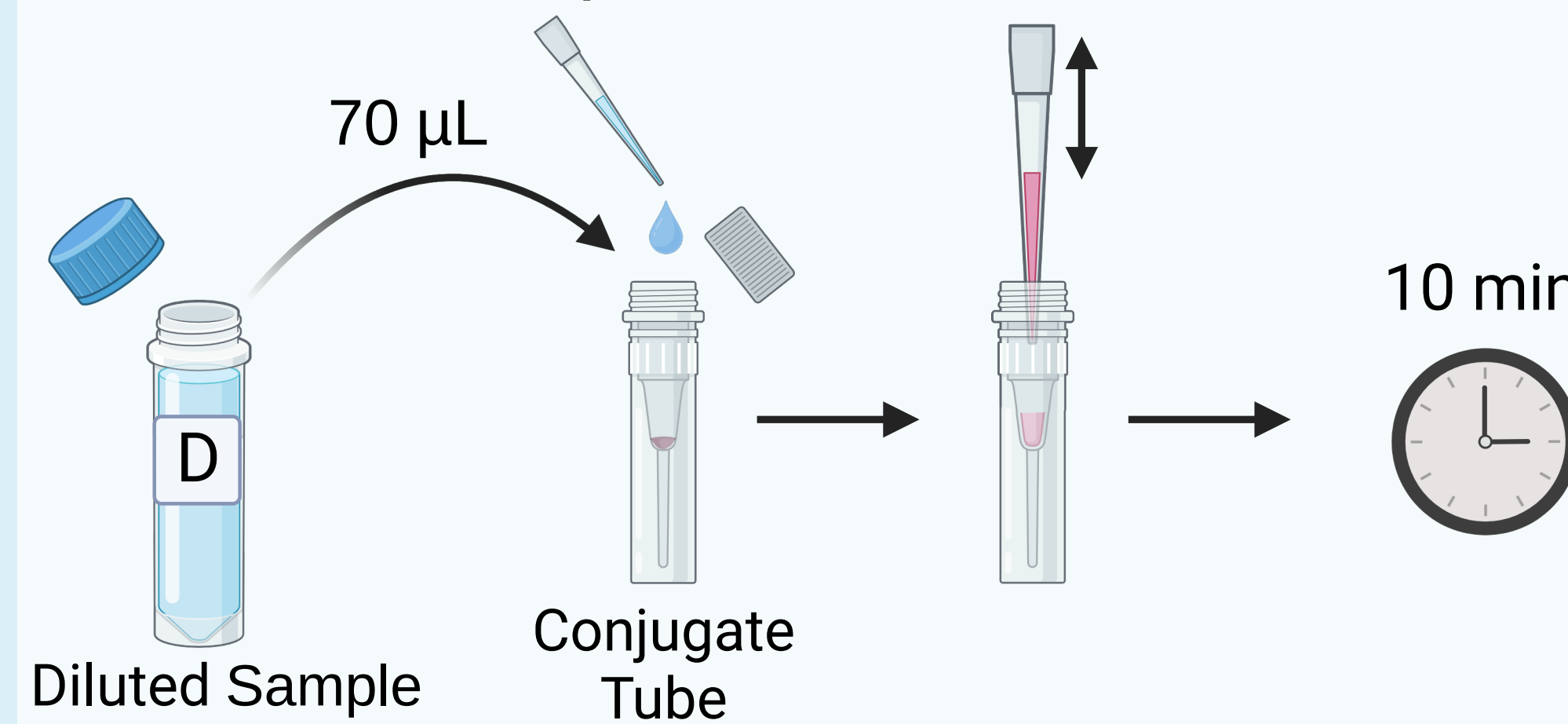


PART B: USING THE LFA

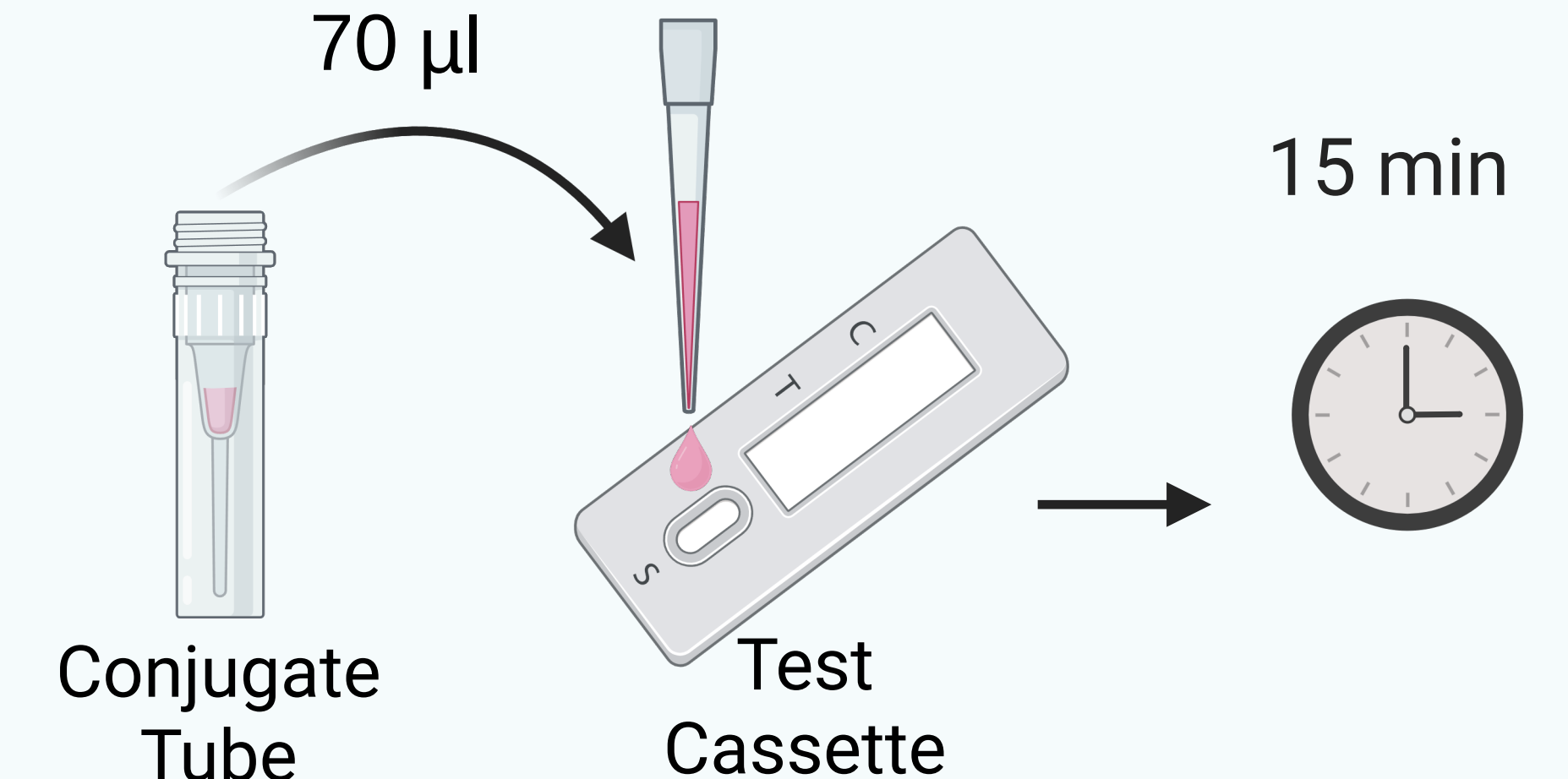
4. To the diluent powder tube "D", add **2 mL of Buffer "B"** and **20 μ L of the Supernatant**. Mix by vortexing or pipetting up and down.



5. Add **70 μ L of the Diluted Sample** to the Conjugate tube. Pipette up and down to dissolve. Let sit uninterrupted at room temperature for 10 minutes.

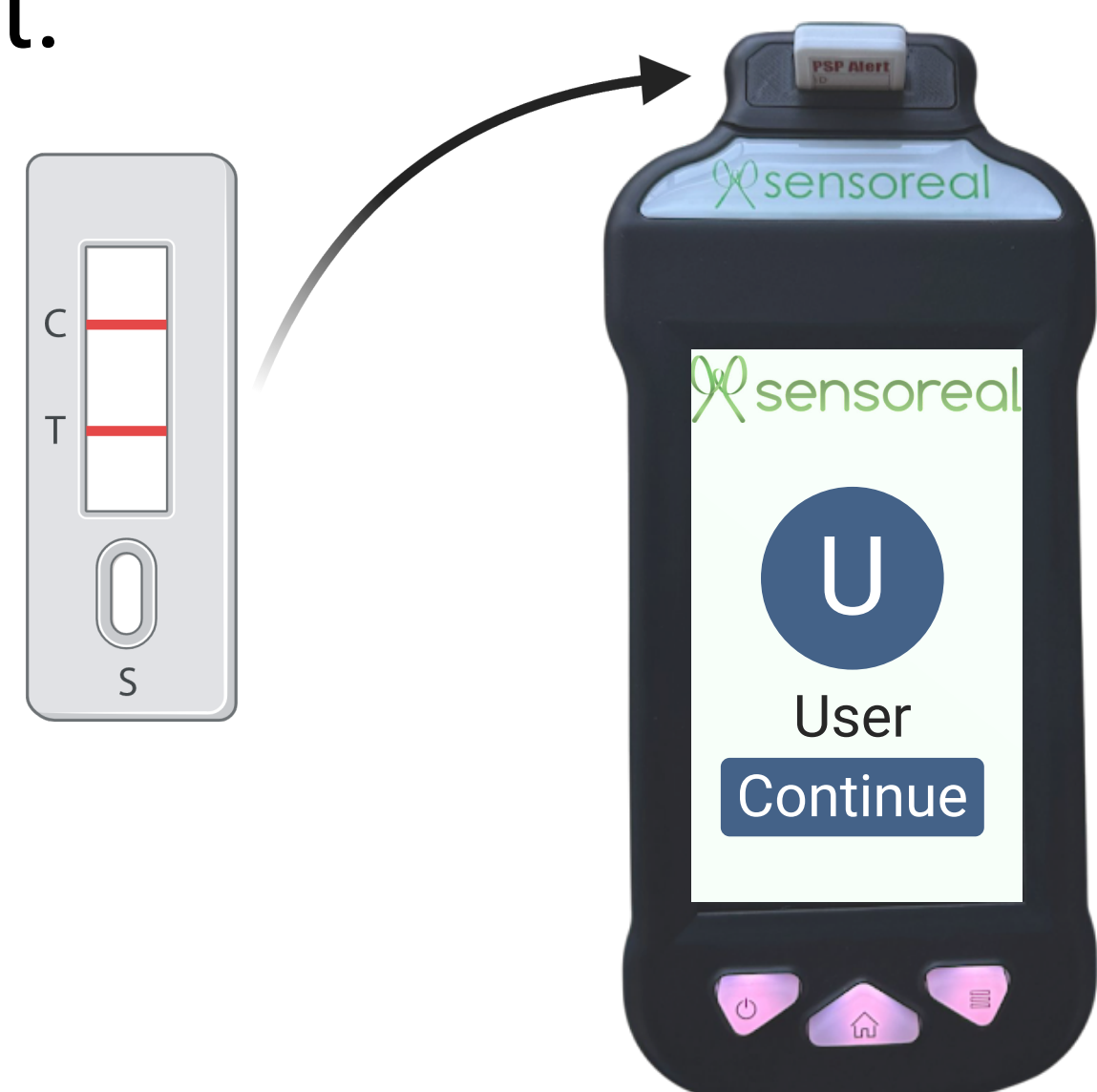


6. Add **70 μ L of the Conjugate mix** to the test cassette. Leave the cassette on a horizontal surface and set a timer for 15 minutes.

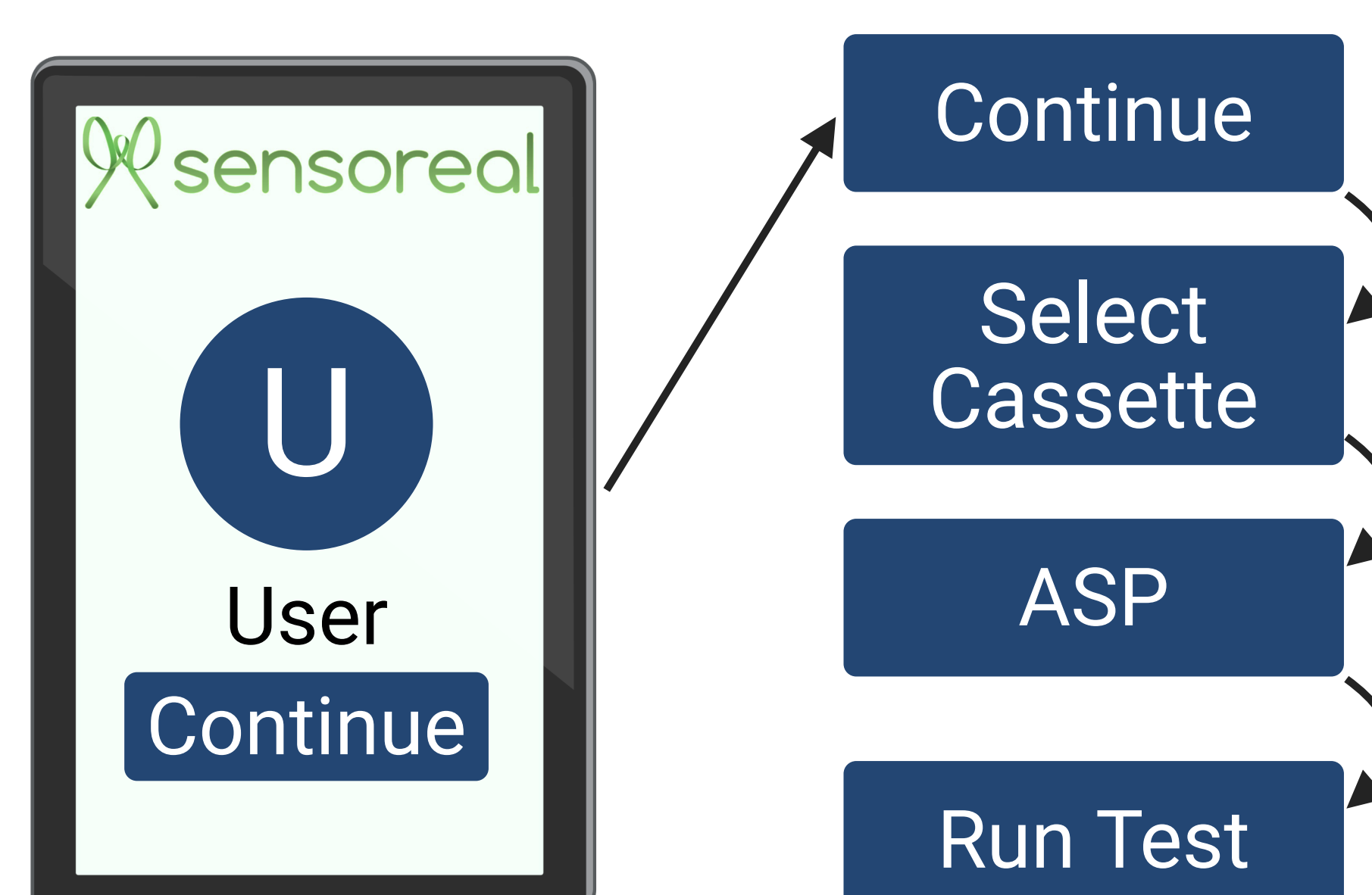


SENSOREAD - INTERPRETING THE RESULTS

7. After 15 minutes, insert the cassette into the reader slot.



8. Follow the steps on the screen.



9. Test results will be displayed after a few seconds.

