

TB-LAMP Workflow

1. Sample transfer and lysis



> Remove the cap to open the heating tube of the Loopamp™ PURE DNA Extraction Kit.



> Use the Pipette-60 to collect slowly the most purulent portion of each sputum sample. Rub the end of the tip on the bottom of the cup to avoid and cut strings.



> Transfer 60 µl of the sputum.



> Transfer the sample slowly into the heating tube. Slowly rinse the tip once to remove the sputum.



> Mix the contents of the tube by shaking.



> Incubate the tube in the HumaLoop T heating unit for 5 min at 90°C.

2. Loopamp™ PURE DNA extraction



> Remove the cap of the adsorbent tube but do not discard it.



> Screw the heating tube onto the adsorbent tube.



> Mix the lysed sample with the powder in the adsorbent tube by shaking thoroughly.



> Shake the tube until a milky solution is obtained.



> Screw the injection cap onto the other side of the adsorbent tube.

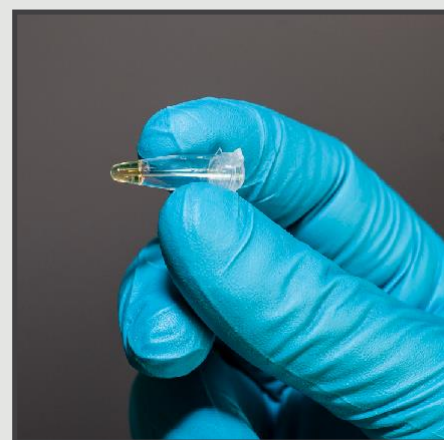


> Extract 30 µl of the DNA directly into the reaction tube by squeezing the adsorbent tube.

3. Loop-mediated isothermal amplification



> Incubate the tube upside down for 2 min (use timer) at room temperature to reconstitute the reagents in the cap.



> Mix the contents of the tube by shaking five times.



> Tap the reaction tube point down on a hard surface several times until the reaction mixture is collected at the bottom.



> Incubate the reaction tube at 67°C for 40 min in the reaction unit. The reaction is automatically inactivated by a further incubation step at 80°C for 5 min.

4. Result reading



> Insert the tube into the detection unit and turn on the UV light.



> Positive results fluoresce green.

A visualized workflow is shown. Please always refer to the latest versions of the Instructions for Use.