

Sputum Collection

- Testing sputum for TB bacteria is the best way to diagnose TB.
- To be sure the test is accurate, cough up sputum from deep inside your lungs. Sputum from your lungs is usually thick and sticky.
- Collecting multiple samples of adequate volume 2-5ml can improve the accuracy of your test results.



Field Unit Laboratory

- Collection of sputum sample and timely transport these samples to central laboratory for bacteriological examination maintaining its freshness without contamination is the major function of field laboratory in national prevalence survey.

The laboratory Field unit

- 2 lab technician from the central team and a local non- health staff.
- Lab technician will lead to set up field laboratory unit.
- Spot(D1) and Morning(D2) samples are collected for each eligible participants.

Collection pattern

- D1X and D2X samples are collected in red cap container for GeneXpert and Smear Microscopy whereas D2C sample in blue cap container for the culture

Sample	For first spot sample	For second morning sample
Odd number	D1X	D2X
Even number	D1X	D2X and D2C

Instruction to the Eligible participant.

- Advise going to an open place preferably sunny place away from people.
- Breathe deeply many times and then cough from deep down within the lungs.
- Lean forward, breathe in and out slowly twice, hold breath for 2-3 seconds each time, and on third time forcefully cough to bring up the sputum of 2-5 ml.
- Collect sputum in the mouth and spit carefully into a provided sterile sputum container and close the lid tightly, so it doesn't leak.
- For morning sample collection, provide one red cap container labeled as D2X for odd numbers and D2X and D2C (two containers) for even numbers.
- Instruct the patient to collect quality sputum at home away from people in open place as above procedure and provide them leaflet with clear written instruction.



१.) लामो श्वास लिने



२.) एक कप तातो पानी पिउने



३.) पिठ्युमा बिस्तारै थप-थपाउने



४.) खोक्ने

Packing of the collected sample

- Received the collected sample and confirm that the specimen in the sputum container is the same suspects to whom the container was provided.
- Enters the data into the data management system regarding the sputum tube receive status, sputum condition etc.
- Seal the sputum container cap with parafilm and rap in absorbent paper
- Pack in zipping lock plastic bag
- Pack in rack in vertical position
- Store the rack in refrigerator (2-8 degree Celsius) until transportation to the central laboratory

Major roles and responsibilities

- Review all the steps of sample collection and proper cold chain maintenance storage.
- Availability of SOP at the section.
- Review the morning sample collection status.
- Prepare a list of the suspects whose morning sample is not yet received and needs follow-up
- Locate those areas needing follow-up team mobilization.
- Make mop-up teams of volunteers and social mobilizers and local health staffs.
- Mobilize the mop-up teams for tracing participants and morning sample collection.
- Manage sputum collection of disabled participants at home if remaining any.
- Monitoring of proper waste management.



Major roles and responsibilities

SOP of field operation at each section / Field unit is being followed (from reception unit, interview unit, xray unit, Medical officer unit, Logistic unit and Laboratory unit)



Remarks/feedback

