

Sputum Collection Instruction

You have been asked to collect some of the sputum (“phlegm”) that you cough up from your lungs. The laboratory will test the sputum for tuberculosis (TB) germs.

Checking your sputum is the best way to find out if you have TB disease. If you are already taking medicine for TB, checking your sputum is the best way to tell if the medicine is working.

To be sure the test is accurate; you must cough up sputum from deep inside your lungs. Sputum from your lungs is usually thick and sticky. Saliva comes from your mouth and is watery and thin. Do not collect saliva.

How to Collect a Sputum Sample

Your doctor or nurse will give you three plastic cups for collecting your sputum. Follow these steps carefully:

1. The cup is very clean. Do not open it until you are ready to use it.
2. You can collect all three samples in one day at least 1 hour apart or every morning for three days, when you first wake up.
3. When collecting morning samples, do it as soon as you wake before you eat, drink or brush your teeth. Do not rinse your mouth with water or mouthwash.
4. If possible, go outside or open a window before collecting the sputum sample. This helps protect other people from TB germs when you cough.
5. Take a very deep breath and hold the air for 5 seconds. Slowly breathe out. Take another deep breath and cough hard until some sputum comes up into your mouth.
6. Spit the sputum into the plastic cup.
7. Keep doing this until the sputum reaches the 5 ml line (or more) on the plastic cup. This is about 1 teaspoon of sputum.
8. Screw the cap on the cup tightly so it doesn't leak.
9. Wash and dry the outside of the cup.
10. Write on the cup the date and time you collected the sputum.
11. Put the cup into the box or bag the nurse gave you and put it in the refrigerator.
12. Repeat the above steps with the other two 2 cups for the next two samples.
13. Store the cups in the refrigerator until you can give it to your clinic or nurse. Do not put it in the freezer or leave it at room temperature.

Tip: If you cannot cough up sputum, try breathing steam from a hot shower or a pan of boiling water.

If you have any questions or concerns, please call (519) 663-5317 x 2330.

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