


<p>Sistema Socio Sanitario</p>  <p>Regione Lombardia ASST Pavia</p>	<p>SPECIMEN COLLECTION INFORMATION MYCOBACTERIA RESEARCH FROM LUNG MATERIAL, URINE AND OTHER BIOLOGICAL MATERIALS MOD.19.193.DDC01.20801/PRO.02</p>	<p>Ed 1 Rev 01 15 Luglio 2024</p>
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SEARCH FOR MYCOBACTERIA IN SPUTUM

The following are always performed: microscopic examination, culture examination and gene amplification in PCR

Collection material:

Use a sterile wide-mouth container with screw cap

Collection methods:


In the morning on an empty stomach:

1. Carry out a thorough cleaning of the oral cavity by gargling with water
2. The material must NOT be exclusively salivary but must come from the lower airways
3. Collect sputum after a cough in the sterile wide-mouthed container
4. Close the container immediately and tightly

Hospital staff must use safety devices (FFP3) for the prevention of airborne infections when assisting a patient with suspected or confirmed TB.

Conservation:

Send to the laboratory as quickly as possible or store at 4°C for a maximum of 12/72 hours.

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SEARCH FOR MYCOBACTERIA IN THE BRONCHOASPIRATE

The following are always performed: microscopic examination, culture examination and gene amplification in PCR

Collection material:


Disposable sterile set with specific container.

Collection methods:

1. For all patients, always use the endotracheal tube.
2. In the presence of abundant secretion, connect the endotracheal tube directly to the disposable set, strictly respecting the asepsis rules
3. In case of poor secretion, sterilely insert 3-5 ml of sterile saline into the endotracheal tube, to remove the deep secretions with coughing and then aspirate into the tube of the disposable set.
4. Close the container immediately and tightly

Conservation:

Send to the laboratory as quickly as possible or store at 4°C for a maximum of 12/72 hours.

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SEARCH FOR MYCOBACTERIA IN URINE

ONLY the culture test is performed

Collection Material:


Obtain one or more sterile wide-mouth containers with screw caps

Collection methods:

1. Wash the external genitalia thoroughly with soap and water
2. Collect all urine from morning urination in one or more sterile wide-mouthed containers
3. Close the container immediately and tightly.

Conservation:

Send to the laboratory as quickly as possible or store at 4°C for a maximum of 12/72 hours.

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SEARCH FOR MYCOBACTERIA IN OTHER BIOLOGICAL MATERIALS

The following are always performed: microscopic examination and culture examination for the following materials:

- Joint Fluid
- Peritoneal fluid
- Seminal Fluid
- Abscess Fluid
- Biopsy Fragments
- Pleural Fluid

PCR gene amplification is also performed only for pleural fluid

Collection material:


Use a sterile wide-mouth container with screw cap

Collection methods:

1. Sterilely collect the various biological liquids (approximately 8-10ml) and/or the biopsy fragments in the sterile wide-mouth container
2. Be careful not to dirty the outside of the container
3. Close the container immediately and tightly.

Conservation:

Send to the laboratory as quickly as possible or store at 4°C for a maximum of 12/72 hours.

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RESEARCH FOR MYCOBACTERIA IN BLOOD CULTURES

Collection material:

Request the specific "ISOLETOR" test tube provided by the bacteriology and mycology laboratory of the IRCCS Policlinico San Matteo di Pavia at the following telephone number 0382 502702 and make arrangements for sending it

Collection methods:

Collect 10ml of blood in the appropriate "ISOLETOR" tube and shake it gently

Conservation:

Send to the laboratory as quickly as possible or store at 4°C for a maximum of 24 hours

DO NOT send the sample for Mycobacteria testing in blood culture bottles