

Culture: Primary isolation of mycobacteria from all submitted specimens

The digestion, decontamination, concentration, and inoculation of culture media remain the standard approach for the recovery of AFB from clinical specimens. L.J culture techniques can detect 10 to 100 viable organisms per milliliter of sample. The results of culture mailed or faxed to other hospital, correctional facilities, and intermediate laboratories of Iran immediately.

Sample required?

Usually, three sputum samples are collected early in the morning on different days. If the patient is unable to produce sputum samples, a bronchoscope may be used to collect fluid during a procedure called a bronchoscopy. In children, gastric washings/aspirates may be collected. Depending on symptoms, urine, cerebral spinal fluid (CSF), other body fluids, or biopsied tissue samples may be submitted for culture([book.2](#))

Method :Petroff method of digestion & Decontamiantion

Specimens : Sputum ,BAL,Body fluid,gastric aspirate ,tissue

Comments : The form (called [number-6](#)) has to completely field by attending doctor

Collection : See the table .1.Instruction

Volume :5-10 ml

Positive culture : by phone or Fax

Negative culture : After 8 weeks

Comment : Identification,Susceptibility ,Spoligotyping performed on all positive culture

Transport : Refrigerator (see the [instruction](#))