

LOWENSTEIN JENSEN MEDIUM

Lowenstein-Jensen medium is an egg based medium for the diagnosis of tuberculosis and used to isolate tuberculosis agent *Mycobacterium tuberculosis* and other mycobacterium from clinical samples all over the world. RTA Labs is producing this product with a high technology in world standards.



ACL KITS (ANTIBIOTIC CONTAINING LJ MEDIUM)

ACL Kits are antibiotic containing Lowenstein-Jensen mediums that are produced to determine the sensitivity of mycobacterium to anti-tuberculosis drugs. ACL Kit consists of a suspension tube with glass beads and two dilution tubes. These solutions and tubes, that are sterilized, are not only help suspensions and dilutions to be made easily and accurately but also prevent the contamination that is mostly seen through this process. Anti-tuberculosis drugs and their concentrations are: Isoniazid 0.2µg/ml; Isoniazid 1µg/ml; Rifampicine 40µg/ml; Streptomycin 4µg/ml; Ethambutol 2µg/ml. Some researchers use also these concentrations: Rifampicine 20µg/ml; Streptomycin 8µg/ml; Ethambutol 4µg/ml.

ACL KIT 1	ACL KIT 1 +	ACL KIT 2	ACL KIT 2 +
Suspension tube	Suspension tube	Suspension tube	Suspension tube
LJ without antibiotic (2 pcs)	LJ without antibiotic (2 pcs)	LJ without antibiotic (2 pcs)	LJ without antibiotic (2 pcs)
LJ-Isoniazid 0.2µg/ml	LJ-Isoniazid 0.2µg/ml	LJ-Isoniazid 0.2µg/ml (2 pcs)	LJ-Isoniazid 0.2µg/ml (2 pcs)
LJ-Isoniazid 1µg/ml	LJ-Isoniazid 1µg/ml	LJ-Isoniazid 1µg/ml (2 pcs)	LJ-Isoniazid 1µg/ml (2 pcs)
LJ-Rifampicine 40µg/ml	LJ-Rifampicine 40µg/ml	LJ-Rifampicine 40µg/ml (2 pcs)	LJ-Rifampicine 40µg/ml (2 pcs)
LJ-Streptomycin 4µg/ml	LJ-Rifampicine 20µg/ml	LJ-Streptomycin 4µg/ml (2 pcs)	LJ-Rifampicine 20µg/ml (2 pcs)
LJ-Ethambutol 2µg/ml	LJ-Streptomycin 4µg/ml	LJ-Ethambutol 2µg/ml (2 pcs)	LJ-Streptomycin 4µg/ml (2 pcs)
10 ⁻² dilution tube	LJ-Streptomycin 8µg/ml (2 pcs)	10 ⁻² dilution tube	LJ-Streptomycin 8µg/ml (2 pcs)
10 ⁻⁴ dilution tube	LJ-Ethambutol 2µg/ml	10 ⁻⁴ dilution tube	LJ-Ethambutol 2µg/ml (2 pcs)
	LJ-Ethambutol 4µg/ml		LJ-Ethambutol 4µg/ml (2 pcs)
	10 ⁻² dilution tube		10 ⁻² dilution tube
	10 ⁻⁴ dilution tube		10 ⁻⁴ dilution tube



ISO 13485:2004



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TDC

TUBERCULOSIS DECONTAMINATION and CONCENTRATION APPLICATION KIT

Phlegm and urine are the most used patient samples in tuberculosis working laboratories. These samples contain not only the mycobacterium causing tuberculosis, but also many other bacteria existing in the flora. When this sample is inoculated to the Lowenstein Jensen media, flora bacteria will grow faster than the mycobacterium which has 15-20 days growing period and cover all the surface of the media thus prevent the appearance of mycobacterium. Additionally, diagnosis becomes harder in microscopic examination because of the decreased density of mycobacterium bacillus. For this reason, a process is applied named sodium hydroxide-N-asetil-L-sistein decontamination. By this process, other bacterium in the sample is eliminated and mycobacterium density becomes higher.

TDC is a decontamination and concentration kit with appropriate materials to do the decontamination and concentration of sodium hydroxide N-asetil-L-sistein in a safe way.

TDC enables working under microscope by the isolation of mycobacterium from phlegm, bronchoalveolar lavage, stomach fluid, pericardial, pleural, peritoneal fluids and urine. This method kills other micro organisms that are possibly exist in laboratory samples by choosing and also enables isolating more mycobacterium and liquefying samples like phlegm for sedimentation.

TDC also prevents time and effort loss by disabling cross contamination. After-process materials that are defined as biologically harmful can be defused by the disinfectant solution inside TDC.

Kit Content:

- Sampling Tube: N-asetil-L-sistein and sterile glass beads in 50 ml. polypropylene tube.
- Sodium Hydroxide-Tri-Sodium Citrate tube: 10 mL. Sodium hydroxide-tri-sodium citrate solution in 15 ml. polypropylene tube.
- Phosphate Buffer: Sterile phosphate buffer in 50 ml polypropylene tube.
- Disinfectant solution: Sodium hypochlorite in 200 ml polyethylene bottle.

Packaging:

Product is available in boxes with 10 kits. The name of the producer, tube ingredients, batch number and expiration date is stated in each tube.

Quality Certificates:

Product is CE marked.

Storage Conditions:

The product should be stored in room temperature and dry places.

Shelf Life:

The shelf life is 12 months if it is kept in the conditions defined above.

