



# TUBERCULOSIS

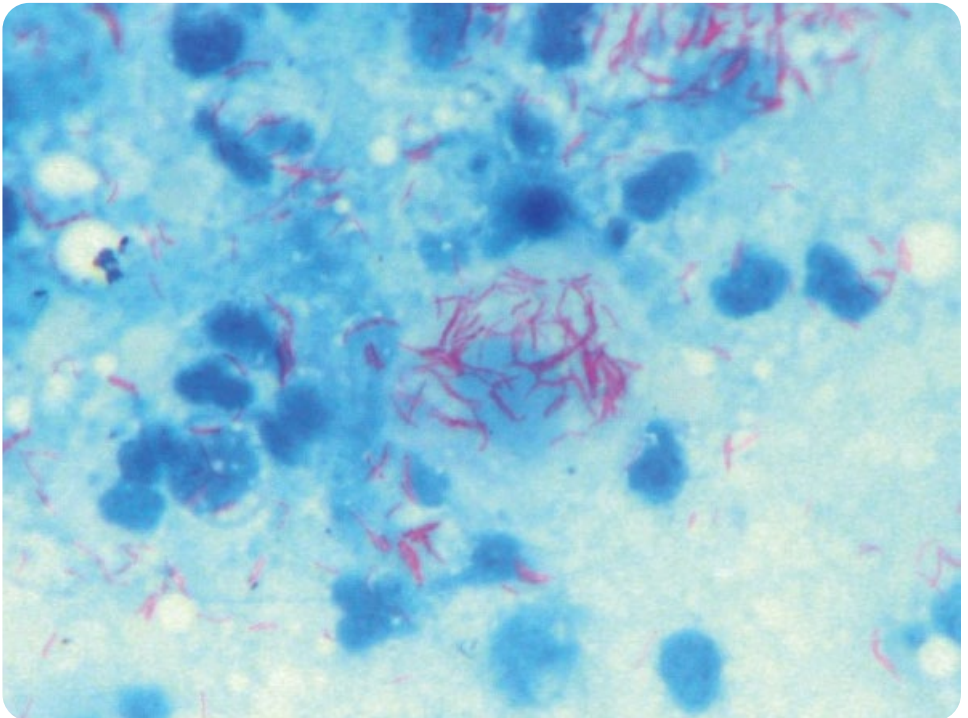
**Microbiology**

# TUBERCULOSIS

## Microbiology

### Contents

- 1 Media for the cultivation and identification of TB
- 2 Direct Specimen Staining, Fluorescent Method
- 3 Staining and Slide Preparation
- 3 Reagents and Disks
- 4 Digestion and Decontaminaton Reagents
- 4 Control Slides
- 5 Lab Supplies



# Media for the Cultivation and Identification of Tuberculosis

## Arylsulfatase Broth

For use in detecting arylsulfatase production in rapidly growing *Mycobacteria* spp.  
0.001M, 2ml, 16x125mm tube, 20pk K93

## Carbon Utilization

For the differentiation of *Mycobacterium* spp.  
Carbon Utilization Base, Slant, 20x125mm tube, 20pk Y125  
Carbon Utilization with Insitolol, Slant, 20x125mm tube, 20pk Y126  
Carbon Utilization with Mannitol, Slant, 20x125mm tube, 20pk Y127  
Carbon Utilization with Citrate, Slant, 20x125mm tube, 20pk Y128

## Lowenstein Jensen

Egg based media for use in the cultivation and isolation of *Mycobacterium* spp.  
5ml deep, 20x150mm tube, 20pk C27  
Slant, 10ml, 20x125mm tube, 20pk C21  
HardyFlask™, 20pk X22

## Bovine Serum Albumin

Enhances the growth of *Mycobacteria* spp.  
Tube, 3ml, 13x100mm tube, 20/bx Z81

## Lowenstein Jensen - Gruft Modification

Slant, 20x125mm tube, 20pk C23  
HardyFlask™, 20pk X23

## Lowenstein Jensen with Pyruvate

Slant, 20x125mm tube, 20pk C28  
HardyFlask™, 20pk X19

## Lowenstein Jensen - Selective

Addition of cycloheximide, lincomycin, and nalidixic acid.  
Slant, 20x125mm tube, 20pk C25

## Lowenstein Jensen with Sodium Chloride

Slant, 5ml, 20x125mm tube, 20pk C29

## Lowenstein Jensen with Ferric Ammonium Citrate

HardyFlask™, 20pk X21

## Middlebrook 7H9

Recommended for use in the cultivation of *Mycobacterium* spp. from sterile fluids.  
Middlebrook 7H9 with Tween® 80, 5ml, 16x125mm tube, 20pk C62  
Middlebrook 7H9 Broth 10ml, 16x125mm tube, 20pk C32

## Middlebrook 7H10

Agar based media for the isolation and cultivation of *Mycobacterium* spp.  
Middlebrook 7H10, Deep fill, 26ml, 15x100mm plate, 10pk W30  
Slant, 20x125mm tube, 20pk C34  
HardyFlask™, 20pk X26  
Middlebrook 7H10 with 10% Human Blood, 10ml, 20x125mm tube, 20pk C42



Middlebrook 7H10, Cat. no. W30

## Middlebrook 7H11

Recommended for use in the cultivation and isolation of *Mycobacterium* spp.

Deep fill, 28ml, 15x100mm plate, 10pk	W35
HardyFlask™, 20pk	X25
Space Saver Plate, 10x100mm, 15pk	SP57
Slant, 20x125mm polycarbonate tube, 20pk	C36

## Middlebrook 7H11 Selective

Mitchison formula with CAPT antibiotics for selective isolation of *Mycobacterium* spp.

Deep fill, 15x100mm plate, 10/pk	W40
Slant, 20x125mm tube, 20/pk	C38
HardyFlask™, 20/pk	X28

## Middlebrook 7H11/Middlebrook 7H11

For use in the selective isolation is recommended for use in the isolation and cultivation of *Mycobacterium* species.

15x100mm biplate, 10/pk	J75
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## Middlebrook OADC Supplement

A supplement for Middlebrook culture media.

100ml fill, 180ml bottle, each	U98
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## Nitrate Substrate Broth

For the determination of nitrate reactions of *Mycobacteria* spp. Use with AFB nitrate reagents (Cat. nos. Z124 and Z125).

2ml, 13x100mm tube, 20/pk	R97
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## Pyrazinamidase Agar

For the differentiation of *Mycobacteria* spp. by pyrazinamidase activity.

5ml, 16x125mm tube, 20/pk	K158
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## Wallenstein Slant

For the cultivation of *Mycobacterium* spp. especially *Mycobacteria avium* complex.

Slant, 20x125mm tube, 20/pk	C61
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# Direct Specimen Staining Fluorescent Method



Cat. no. 630K

## AFB Fluorescent Stain Set (Auramine O)

Kit includes one 250ml bottle of each of the following: auramine O fluorescent stain, decolorizer and potassium/permanaganate.

3x250ml	418K
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## Auramine Fluorescent Stain

An aqueous solution of phenol and auramine O Stain.

250ml	418D8
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## Auramine-Rhodamine Stain

An aqueous solution of phenol, glycerine, isopropyl alcohol, rhodamine B and auramine O.

8 oz	789D8
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32 oz	789D32
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3x8 oz	630K
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## Potassium Permanganate (0.55%)

An aqueous solution of potassium permanganate.

250ml	PPC18
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# Staining and Slide Preparation

## AFB Stain Kit

Carbol Fuchsin (Kinyoun), Acid Alcohol 3%, Methylene Blue Counterstain.  
3x8 oz AF900

## Acid-Fast Smear Fix

For BACTEC™ blood cultures, for better slide adhesion of specimens,  
15ml Z56

## Acid Alcohol, 3% HCl in Alcohol

For AFB staining, Kinyoun or Ziehl-Neelsen.  
250ml AA008

## AFB Brilliant Green Stain Kit

Contains Carbol Fuchsin (Kinyoun), Acid Alcohol 3%, Brilliant Green Counterstain.  
3x8 oz 483KB

## Carbol Fuchsin (Kinyoun)

250ml CF008



Cat. no. CF008

## Methylene Blue Counterstain

For Acid-Fast stain procedures and other uses.  
16 oz 675A16

## Methyl Alcohol, 100%, Reagent Grade

16 oz QS1016  
32 oz VMT032  
1 gallon 107B128

## BlueMount™

A permanent slide mount for mycology specimens that contains the stain lactophenol cotton blue. Produces a long lasting permanently stained slide. Contains polyvinyl alcohol (PVA) that will dry and set up hard. Creates a perfectly preserved slide.  
15ml vial Z137

## Lactophenol Cotton Blue

For staining fungi on slide wet mounts.  
15ml vial Z68

## Potassium Hydroxide

For use in slide preparations of specimens for the purpose of identifying fungal elements. Dissolves epithelial cells that may mask fungal elements.  
10%, KOH, 15ml vial Z77  
20%, KOH, 15ml vial Z78

## India Ink

For use in the identification of *Cryptococcus neoformans* by detection of the polysaccharide capsule. India ink is a negative stain that will show a clear zone where the capsule is.  
15ml bottle Z64

# Reagents and Disks

## Caffeic Acid Disks

A rapid test to detect the ability of an organism to produce the enzyme phenyloxidase; useful for the identification of *Cryptococcus neoformans* and *Cryptococcus gattii*.  
25 disks/pk Z118

## Nitrate Reagents

Recommended for use in the determination of nitrate utilization by *Mycobacterium* spp.  
AFB Nitrate Reagent A (Sulfanilamide, 0.2%) 15ml Z124  
AFB Nitrate Reagent B (Naphthylethylenediamine Dihydrochloride, 0.1%) 15ml Z125

# Digestion and Decontamination Reagents

## MucoGest™ 50

MucoGest™ is composed of dithiothreitol, a mucolytic agent recommended for use in the digestion and decontamination procedures of sputum and other clinical specimens for the recovery of *Mycobacteria* spp. and fungi. Use MucoGest™ with TB Based Digestant (Cat. no. X45) for TB. 0.25 gm (to make 50ml of solution), 20/pk Z130



## Phosphate Buffer

Used to break down mucous components of sputum and other clinical specimens and to decontaminate the specimen of normal flora in order to allow slower growing mycobacteria to grow.

30ml, 2 oz bottle, 25/bx	X31
40ml, 2 oz bottle, 25/bx	X43
500ml, 500ml bottle, each	U10

## Sputum Digestion And Decontamination Reagents

Used to break down mucous components of sputum and other clinical specimens and to decontaminate the specimen of normal flora in order to culture slower growing mycobacteria.

N-Acetyl-L-Cysteine (NALC)

2.5gm, 16x100mm tube, 20/bx	Z161
250mg (prepares 50ml), 16x100mm tube, 20/bx	Z60

TB Base Digestant

50ml, 2 oz bottle, 25/bx	X45
100ml, 125ml bottle, 12/bx	U22
500ml, 500ml bottle, each	U20

# Control Slides

## Q-Slides™ AFB Control Slides

Used to test both the stain reagents and user technique. Can be used for Kinyoun, Ziehl-Neelsen, and fluorescent AFB stain methods. Slides are prepared and fixed with a known AFB positive and negative organism. There is also space for four test specimens.

- A convenient, easy to-use-format.
- Good dispersion of cells that stain deeply with excellent contrast.
- Large number of cells per viewing area at 1,000x.
- Large area for patient specimens contained by hydrophobic lines.
- Plastic container protects and allows for easy manipulation of slides.
- White labeling area for patient identification.

5 slides per box Z301



*For easy QC of your stain and staining technique!*

# Lab Supplies



## Adenna MIRACLE® Gloves

Light weight, soft, very flexible and 100% rubber latex free

Small, 2,000/case MIR162

Medium, 2,000/case MIR165

Large, 2,000/case MIR166

## Adenna Disposable Face Mask

These masks are 100% latex and fiberglass free, as well as non-irritant and odorless.

10x50 case/500 masks FEL110B

## Surgical Mask

Soft, cool, and breathable while meeting the ASTM F200-01 testing requirements of submicron filtration above 98%.

500/case 15100

## ComfortPRO™ Lab Coat

These affordable, disposable lab coats are made of tri-laminated, spunbound material (SMS) which is designed to be fully breathable and splash resistant.

Medium, 20/case NEGU6073M

Large, 20/case NEGU6073L

XLarge, 20/case NEGU6073XL

## Face Shield, Full Face, Disposable

Used for protection of the facial areas (eyes, nose, mouth) from sprays, aerosols, and splashes.

- Ideal for healthcare and laboratory workers

- Made from PETG
- Anti-fogging visor

10/pk MD30331

## AloeSafe™ Antiseptic Gel Hand Sanitizer

AloeSafe™ hand sanitizer with ethyl alcohol gel with Aloe Vera, Lavender Oil, and Vitamin E, without the harsh chemicals.

16 oz bottle, each AS16HD

## Flocked Nasopharangeal (NP) Swab, Sterile, 80mm Breakpoint

Flexible, mini-tip size flocked swab with 80mm breakpoint in peel pouch, individually packaged, sterile, Nasopharyngeal (NP).

100/pk 972012

## Mid-Turbinate Adult Flocked Swab w/stopper, 80mm Breakpoint

Flocked tip swab, 80mm breakpoint, in peel pouch - individually packaged, sterile, disposable.

100/pk 972014

## Mid-Turbinate Pediatric Flocked Swab w/stopper, 80mm Breakpoint

Regular polyester tip swab, 80mm breakpoint, in peel pouch - individually packaged, sterile, disposable.

100/pk 972015

## UV Chamber, N95 Mask Decontamination by UV light

Never run out of N95 masks again. Quickly sanitize them yourself by UV light.

- Sanitizes four N95 masks at once
- Takes only two minutes
- Small footprint
- Two Year Manufacturer's Warranty
- UL/CSA/CE Approved

Each 234100HD

## DuraRack™ Petri Plate Holder

A durable, autoclavable, heavy gauge coated steel wire rack that allows for easy loading and unloading of Petri or contact plates.

60 Petri plate holder, each DURA60

84 Petri plate holder, each DURA84

60 Contact plate holder, each DURA60C



UV Chamber,  
Cat. no. 234200HD



Hardy Diagnostics has a Quality Management System that is certified to ISO 13485 and is a FDA licensed medical device manufacturer.

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**Contract Holder**  
Contract # 47QSWA22D0077