A.L.L. COLLECTION KIT
A.L.L. SOLUTION
DIGESTION REAGENT
PHOSPHATE BUFFER 0,067 M pH 6,8
A.L.L. DIGESTION NEUTRALISATION KIT

INTENDED USE
Complete system for the collection, transport and treatment of the clinical specimens to be examined for Mycobacteria.

PRINCIPLE
The proposed system is prepared considering the recommendation of “Centers for Disease Control and Prevention” (Atlanta, U.S.A.)
The proposed system may be used during the procedures for the detection of Mycobacteria with cultural techniques and with PCR techniques.
A.L.L. Solution acts as anticoagulant-liquefying-lysing agent; Digestion Reagent is an alkaline solution for the digestion of the specimen contents; Phosphate Buffer is a solution for the neutralisation of digested specimen; A.L.L. Digestion Neutralisation Kit proposes all the above reagents as kit format.

PERFORMANCES
A.L.L. System has been tested for the detection of Mycobacteria and it has been proved suitable for the specimens preparation and treatment (1).

ALL COLLECTION KIT
(REF 225001N)
25 centrifuge tubes suitable for the collection, transport and treatment of the following specimens: articular, ascitic, pericardic fluids, bronchial aspirate, CSF, gastric juice aspirate, bone marrow aspirate, and other biological materials.
Store at 2-8 °C.

TUBE CONTENTS (1 mL)
Aqueous solution of N-acetyl-L-cysteine, EDTA sodium salt, saponin, sodium hydroxide, polypropilenglycol.
The solution acts on the specimen as an anticoagulant-liquefying-lysing agent.

ALL SOLUTION
(REF 225020)
1 flask containing 50 ml of A.L.L. Solution suitable for the collection, transport and treatment of the following specimens: articular, ascitic, pericardic fluids, bronchial aspirate, urines, CSF, gastric juice aspirate, bone marrow aspirate, and other biological materials.
Store at 2-8 °C.

FLASK CONTENTS
Aqueous solution of N-acetyl-L-cysteine, EDTA sodium salt, saponin, sodium hydroxide, polypropilenglicol.
The solution acts on the specimen as an anticoagulant-liquefying-lysing agent.

DIGESTION REAGENT
(REF 2203454)
1 flask containing 500 ml of NaOH-sodium citrate solution for the alkaline digestion of the specimens
Store at 2-8 °C.

FLASK CONTENTS
NaOH 15 g, sodium citrate 14, 7 distilled water 500 ml
PHOSPHATE BUFFER 0.067 M pH 6.8  
(REF 225040)

1 flask containing 500 ml of sterile 0.067M Phosphate Buffer, pH 6.8 for the neutralisation of the digested specimens  
Store at 2-8°C.

FLASK CONTENTS  
Potassium phosphate monobasic 2.2 g, potassium phosphate dibasic 2.7 g, distilled water 500 ml; pH 6.8.  
Store at 2-8°C.

A.L.L. DIGESTION NEUTRALISATION KIT  
(REF 225000)

KIT CONTENTS  
1 - ALL Solution: 50 ml  
Aqueous solution of N-acetyl-L-cysteine, EDTA sodium salt, saponin, sodium hydroxide, polypropilenglicol.  
2 - Digestion Reagent: 200 ml  
NaOH 6 g, sodium citrate 5.88 distilled water 200 ml  
3 - 0.067M Phosphate Buffer pH 6.8: 2 x 500 ml  
Potassium phosphate monobasic 2.2 g, potassium phosphate dibasic 2.7 g, distilled water 500 ml  
Store at 2-8°C.

SUMMARY OF THE TECHNIQUE

1- Specimen collection  
Collect the specimen in a centrifuge tube with a volume of 50 ml

2 - Fluidification and digestion  
Add to the centrifuge tube 2.5 ml of A.L.L. Solution  
Adjust the volume to 10 ml by adding about 7.5 ml of sterile distilled water  
Add about 10 ml of Digestion Reagent  
Stir by vortex, incubate at 37°C for 5 min and agitate on a rolling plane for 10 minutes

3 - Neutralisation  
Add to the tube about 30 ml of Phosphate Buffer and stir by vortex

4 - Sedimentation  
Centrifuge the tube at 3000 g for 20 min. Decant the supernatant

5 - Washing  
Add to the pellet 10/15 ml of Phosphate Buffer and centrifuge the tube at 3000 g for 20 min. Decant the supernatant.  
Repeat the washing step and finally resuspend the pellet with 2 ml of Phosphate Buffer.  
The pellet is ready to be processed for the detection of Mycobacteria.

REFERENCE  

PACKAGING

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<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tr>
<td>225001N</td>
<td>A.L.L. Collection Kit,</td>
<td>25 test (1 ml x 25)</td>
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<tr>
<td>225020</td>
<td>A.L.L. Solution,</td>
<td>50 ml</td>
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<tr>
<td>2203454</td>
<td>Digestion Reagent,</td>
<td>500 ml</td>
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<tr>
<td>225040</td>
<td>Phosphate Buffer 0.067M pH 6.8</td>
<td>500 ml</td>
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<tr>
<td>225000</td>
<td>A.L.L. Digestion Neutralisation kit</td>
<td>20 tests</td>
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