



# MUELLER HINTON AGAR **REF** 4010

SPML manufacture and supply a range of Pre-prepared media for the culture of microorganisms such as bacteria yeasts and moulds. SPML offer a range of media pre-poured culture media to meet the needs of its customers across a range of industries that include Clinical, food, water, pharmaceutical, and many more.

The range of plates cover selective and non-selective media and plate sizes and are intended for the use by professional parties in the isolation of microbial organisms.

### INTENDED USE

An anti-microbial susceptibility test medium for use in internationally recognized standard procedures. Mueller Hinton Agar is the recommended medium for sensitivity testing by the CLSI

### • Micro Organism Reactions pH: 7.20 – 7.40

Organisms	Result, Colour of Colony
Escherichia Coli	Growth Cream Zone diameters within published specification.
Staphylococcus Aureus	IGrowth White Zone diameters within published specification
Pseudomonas Aeruginosa	Growth Plate Green Zone diameters within published specification

### TECHNIQUE

Using a sterile loop inoculate the medium with 4±5 colonies and incubate at 37°C for 18-24 hours.

As methods and media preference may vary as to media types and test method due to jurisdictions, and personal preferences the customer should use the plates in accordance with their organisations stated methods and procedures however SPML product brochure does provide further product information The end user should however take into consideration that selective media should, therefore, be compared with

specimens/samples cultured on nonselective media to obtain additional information and help ensure recovery of potential pathogens and other significant organisms.

### PRECAUTIONS



For professional use only.

Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

Consult In house instructions to ensure correct application of product use is observed. Ensure GLP and aseptic handling procedures are followed, used plates should be treated as biohazards, and disposal of used product should be treated as such, and disposed of in accordance with local /national regulations.

### STORAGE AND SHELF LIFE

On receipt, store plates in the dark at 2 to 8° C, in their original sleeve wrapping until just prior to use. Avoid freezing and overheating. The plates may be inoculated up to the expiration date (see package label) and incubated for the recommended incubation times.

Plates from opened stacks of 10 plates can be used for one week when stored in a clean area at 2 to 8° C.

### QUALITY CONTROL

SPML undertake batch release for all media checking pH, sterility, Inhibition and enhancement testing of all media batches based on the EN12322:1999<sup>1</sup>, M22-A3<sup>2</sup>, and ISO11133<sup>3</sup>, For clinical purpose the product is CE marked in accordance with the requirements of 97/79/EC IVD Directive and registered with the Competent Authority MHRA in the United Kingdom. SPML is ISO9001:2008 certified

### FURTHER INFORMATION

For further information please contact your local SPML representative.

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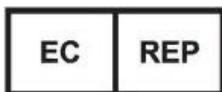
Web Site: <http://www.spml.com.sa>

### References.

<sup>1</sup> EN 12322:1999 - In vitro diagnostic medical devices - Culture media for microbiology - Performance criteria for culture media.

<sup>2</sup> Clinical and Laboratory Standards Institute. 2004. Approved standard: M22-A3, Quality control for commercially prepared microbiological culture media, 3rd ed

<sup>3</sup> ISO11133\_Microbiology of food, animal feed and water — Preparation, production storage and performance testing of culture media



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