Eugon Broth

(Eugonic Broth)

LAB 526

Description
This is the broth version of Eugon Agar (LAB525) for the cultivation of a wide variety of microorganisms, particularly in mass cultivation procedures. The medium is prepared according to the formulation of Vera and was developed to obtain eugonic (luxuriant) growth of fastidious microorganisms. The medium can be used with additions to enhance its performance with certain microorganisms e.g. Eugon Broth supplemented with 5% sterile defibrinated blood the medium will support the growth of pathogenic fungi such as *Nocardia, Histoplasma* and *Blastomyces*.

Formula	g/litre
Tryptose	15.0
Soy Peptone	5.0
Dextrose	5.5
L-Cystine	0.7
Sodium chloride	4.0
Sodium sulphite	0.2

Method for reconstitution
Weigh 30.4 grams of powder and disperse in 1 litre of deionised water. Allow the mixture to soak for 10 minutes, swirl to mix and sterilise by autoclaving at 121°C for 15 minutes. Cool before the addition of enrichments and aseptically dispense into appropriate containers.

Appearance: Light amber solution, may contain a slight precipitate.

pH: 7.0 ± 0.2

Minimum QC organisms: *Aspergillus niger* NCIMB 50097
Candida albicans NCIMB 50010
Lactobacillus fermentum ATCC® 9388
Streptococcus pyogenes NCIMB 13285

Storage of Prepared Medium: Store the prepared medium at 2-8°C.

Inoculation: For the examination of clinical specimens for bacteria and fungi refer to the appropriate published references.

Incubation: 35°C ± 2°C for up 72 ± 4 hours for bacteria. 30°C ± 2°C for up 72 ± 4 hours for fungi.

Interpretation: Refer to appropriate references and procedures.

References
Vera, H.D. (1947). The ability of peptones to support surface growth of lactobacilli. J. Bacteriol. 54:14.

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Isenberg, H.D. (ed.) (1992). Clinical microbiological procedures handbook, American Society for Microbiology, Washington, D.C.

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