

TECHNICAL SHEET

| | | | | | |
|---|---|---------------------------------|-----------|------------|---------------|
| B1204 | LETHEEN BROTH W/TRITON X-100 | | | | |
| Formula | | | | | |
| Ingredients : | | gms/lit. | | | |
| Peptic digest of animal tissue | | 10.00 | | | |
| Beef extract | | 5.00 | | | |
| Sodium chloride | | 5.00 | | | |
| Lecithin | | 0.70 | | | |
| Polysorbate 80 | | 5.00 | | | |
| Triton X-100 | | 1.00 | | | |
| Final pH (at 25°C) : 7.0 ± 0.2 | | | | | |
| Directions : | | | | | |
| Suspend 26.7 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired. | | | | | |
| Principle : | | | | | |
| Peptic digest of animal tissue, beef extract provides nitrogenous nutrients, carbon compounds and trace elements to the microorganisms. Incorporation of lecithin and polysorbate 80 to the medium enables the recovery of bacteria from materials containing residues of disinfectant compounds or preservatives used in cosmetics. Triton X-100 acts as a surfactant. | | | | | |
| QC Tests – (I) Dehydrated Medium | | | | | |
| Colour : | | Cream to yellow | | | |
| Appearance : | | Homogeneous Free Flowing powder | | | |
| (II) Rehydrated medium | | | | | |
| pH (post autoclaving/heating) : | | 7.0 ± 0.2 | | | |
| Colour (post autoclaving/heating) : | | Light yellow | | | |
| Clarity (post autoclaving/heating) : | | Clear | | | |
| (III) Q.C. Test Microbiological | | | | | |
| Cultural characteristics observed after 18 -48 hours at 35-37°C. | | | | | |
| MICROORGANISM (ATCC) | | GROWTH | | | |
| Escherichia coli (25922) | | Luxuriant | | | |
| Staphylococcus aureus (6538) | | Luxuriant | | | |
| Staphylococcus aureus (25923) | | good-luxuriant | | | |
| Precautions : | 1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. | | | | |
| Limitations : | 1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. | | | | |
| Use : | It is recommended for screening cosmetic products for microbial contamination. | | | | |
| Storage : | Dehydrated medium- below 30°C Prepared medium – Between 2 to 8°C. | | | | |
| Packing : | 500 gm. bottle | | | | |
| Product profile: | Reconstitution | Quantity on Preparation (500g) | pH (25°C) | Supplement | Sterilization |
| B1204 | 26.7 g/l | 18.726 lit | 7.0 ± 0.2 | None | 121°C/15 min |

Disclaimer:

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