

TECHNICAL SHEET

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|---|------------------------------|---|-----------|--------------------------------|--------------|
| B1206 | LIVER BROTH, MODIFIED | | | | |
| Formula | | | | | |
| Ingredients : | | gms/lit. | | | |
| Liver granules | | 50.00 | | | |
| Dextrose | | 10.00 | | | |
| Disodium hydrogen phosphate | | 2.00 | | | |
| Final pH (at 25°C) : 7.6 ± 0.2 | | | | | |
| Directions : | | | | | |
| Suspend 62.0 grams in 1000 ml distilled water. Soak for 15 minutes with occasional stirring. Dispense the well-mixed, turbid broth in 18 mm tubes to a depth of 50 mm, so that the bottom of the tube is filled with liver tissues. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool, inoculate the specimen to be tested in hot liver broth, modified (at 80°C). Cover with a layer of Vaseline or paraffin. | | | | | |
| Principle : | | | | | |
| Liver granules and dextrose provide the nitrogen, amino acids, vitamins and carbon sources. Disodium hydrogen phosphate buffers the medium. | | | | | |
| QC Tests - (I) Dehydrated Medium | | | | | |
| Colour : | | Brown | | | |
| Appearance : | | Granules | | | |
| (II) Rehydrated medium | | | | | |
| pH (post autoclaving/heating) : | | 7.6 ± 0.2 | | | |
| Colour (post autoclaving/heating) : | | Medium amber | | | |
| Clarity (post autoclaving/heating) : | | clear to slightly opalescent supernatant over insoluble granules | | | |
| (III) Q.C. Test Microbiological | | | | | |
| Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours (for Clostridium species incubate anaerobically). | | | | | |
| MICROORGANISM (ATCC) | | GROWTH | | GAS PRODUCTION | |
| Clostridium perfringens (10543) | | good | | positive reaction | |
| Clostridium sporogenes (11437) | | good | | positive reaction | |
| Escherichia coli (25922) | | good | | negative reaction | |
| Staphylococcus aureus (25923) | | good | | negative reaction | |
| 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 used as a presumptive test and for the enrichment of Clostridia and other anaerobes from meat, foodstuffs and other materials. | | | |
| 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 | | | |
| B1206 | 62 g/l | 8.06 lit | 7.6 ± 0.2 | Nil | 121°C/15 min |

Disclaimer:

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