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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
LIVER DESICCATED LP0026		

## LIVER DESICCATED

LP0026

### Description

Dehydrated liver for the preparation of liver infusion media. One part of Liver Desiccated (LP0026) is equivalent to 5 times its weight of freshly minced liver.

### Directions

Add 50 grams to 1 litre of distilled water and infuse (with frequent agitation) for 60 minutes at 50°C.

Boil briefly to coagulate the protein and strain through 60 mesh stainless steel gauze. Add 10 grams of Bacteriological Peptone (LP0037) and 5 grams Sodium Chloride (LP0005). Adjust pH to 7.2, boil and filter. Sterilize by autoclaving at 121°C for 15 minutes.

### Physical and Chemical Characteristics

Appearance	Brown granules
Colour (soln.)	Dark straw, comparable to colour standard
pH (25°C)	4.5-7.0
Clarity (soln.)	Clear
Loss on drying	Less than 7.5%
Fat	Less than 22%
Particle size	3-5mm (approx.)


### Microbiological Characteristics

Incorporate Liver Desiccated into Liver Broth (CM0077). Distribute into 18mm diameter tubes to a depth of 50mm, so that the bottom of the tube is filled with liver particles. Agitate frequently during distribution to keep liver tissue in suspension. Sterilize autoclaving at 115°C for 20 minutes.

Inoculate when cool and then aseptically seal with a layer of sterile 2% w/v Agar No.3 (LP0013) solution.

### Reactions after incubation at 37°C for 48-72 hours

<i>Clostridium perfringens</i>	ATCC® 13124	Growth and gas
<i>Clostridium perfringens</i>	NCTC10613	Growth and gas
<i>Clostridium sphenoides</i>	NCTC507	Growth and gas
<i>Clostridium sporogenes</i>	ATCC® 19404	Growth and gas
<i>Escherichia coli</i>	ATCC® 25922	Growth and gas
<i>Bacteroides fragilis</i>	ATCC® 25285	Growth and gas
<i>Peptostreptococcus anaerobius</i>	ATCC® 27337	Growth and gas
<i>Streptococcus pyogenes</i>	ATCC® 19615	Growth and no gas

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#### Reactions after incubation at 55°C for 48-72 hours

<i>Thermoanaerobacterium thermosaccharolyticum</i>	ATCC®7956	Growth and gas
<i>Geobacillus stearothermophilus</i>	ATCC®12976	Growth and no gas

Prepare 10ml volumes of medium in universal bottles. Sterilize and cool, then aseptically seal with a layer of sterile 2% w/v Agar No.3 (LP0013) solution. Incubate at 55°C for 3 days. There shall be no gas or discolouration of the medium in any tube.

#### Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire document	Update to new format	Update to new format	BT-SOP-7767
Physical and chemical characteristics	Change clarity to clear. Add pH limits.	Change control	BT-CC-1811