

**OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION**
**PURIFIED AGAR LP0028**
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**LP0028**
**Description**

An agar recommended for immuno-electrophoresis and gel diffusion studies. A bright and clear gel which is also suitable for normal bacteriological applications.

**Technical Information**

## Average Batch Analysis:

|                          |                    |
|--------------------------|--------------------|
| Appearance               | Cream/white powder |
| Colour on reconstitution | White              |
| pH (25°C)                | 5.5-7.0            |
| Clarity                  | Faintly opalescent |
| Loss on drying           | Less than 7.5%     |
| Ash                      | Less than 1.5%     |
| Ca                       | Less than 100ppm   |
| Mg                       | Less than 50ppm    |
| SO <sub>4</sub>          | Less than 1.0%     |
| Working Strength         | 1.0%               |

**Microbiological Characteristics**

The following tests are carried out:

**Freedom from Toxic Substances**

| Medium                               | Organism                                   | Control Inoculum | Incubation        | Result         |
|--------------------------------------|--|------------------|-------------------|----------------|
| Nutrient Broth<br>No2 + 1.5%<br>Agar | <i>Staphylococcus aureus</i><br>ATCC®9144  | 10-100 CFU       | 37°C for 18 hours | Cream colonies |
|                                      | <i>Enterococcus faecalis</i><br>ATCC®29212 | 10-100 CFU       | 37°C for 18 hours | Cream colonies |

**Detection of Heat Resistant Bacteria (Thermophiles and Mesophiles)**

| Test         | Medium                            | Incubation        | Result |
|--------------|-----------------------------------|-------------------|--------|
| Thermophiles | Nutrient Broth<br>No2 + 1.2% Agar | 55°C for 72 hours | Absent |
| Mesophiles   | Nutrient Broth<br>No2 + 1.2% Agar | 37°C for 72 hours | Absent |

**OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION****PURIFIED AGAR LP0028****DNA Electrophoresis**

Purified Agar compared to standard Agarose

**Revision History**

| Section / Step        | Description of Change                         | Reason for Change    | Reference   |
|-----------------------|---|----------------------|-------------|
| Entire Document       | Update to document template                   | Update to new format | BT-SOP-7767 |
| Technical information | Addition of appearance, colour clarity and pH | Change control       | BT-CC-1889  |