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## Product Specification

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**Product Name:** Plate Count Agar (PCA)

**Product Code:** SG7200 / SG7201

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### PRODUCT DESCRIPTION:

Plate Count Agar (PCA) is used for the enumeration of viable microorganisms. This product is available in both dehydrated and granulated form.

### Use:

Stir to suspend 23.5 g of dehydrated/granulated medium in 1L distilled H<sub>2</sub>O. Mix well with heat with frequent agitation. Boil for one minute. Autoclave for 15 minutes at 121°C to sterilize. Allow to cool (40 – 45°C) before making additions, such as antibiotics (if desired). For laboratory use only.

### Components:

Trypsin – 5.0g/L

Yeast Extract – 2.5g/L

Glucose – 1.0g/L

Agar – 15.0g/L

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<b>Item</b>	<b>Description</b>
<b><u>Physical and Chemical Tests</u></b>	
<b>Appearance (dry):</b>	Yellowish Powder / Granules
<b>Appearance (in gel):</b>	Yellowish Transparent Gel
<b>pH (@25°C):</b>	7.0 ± 0.2
<b><u>Microbiological Tests</u></b>	
<b>Staphylococcus aureus (ATCC 6538)</b>	<b><u>Productivity Ratio (PR)</u></b> ≥ 0.7
<b>Escherichia coli (ATCC 25922)</b>	≥ 0.7
<b>Bacillus subtilis (ATCC 6633)</b>	≥ 0.7

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\* The microbiological test results were obtained from type cultures after incubation at a temperature of 36±1°C and observed after 48 hours.

**Storage:** Store in a dry and dark place at room temperature. Tighten the cap immediately after use.