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## Product Specification

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**Product Name:** Potato Dextrose Agar (PDA)

**Product Code:** SG7047 / SG7238

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### PRODUCT DESCRIPTION:

Potato Dextrose Agar (PDA) is used for mold and yeast counting. PDA is also used for stimulating sporulation, for maintaining stock cultures of certain dermatophytes and for differentiation of typical varieties of dermatophytes based on pigment production. It is also recommended by USP, BP, EP and JP for growth of fungi. Potato infusion and dextrose promote luxuriant fungal growth. Adjusting the pH of the medium by tartaric acid inhibits bacterial growth. This product is available in both dehydrated and granulated form.

Note: Heating the medium after acidification should be avoided as it may hydrolyze the agar, which can render the agar unable to solidify.

### Use:

Stir to suspend 46.0 g of dehydrated or 40.0 g of 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), before pouring into petri dishes. For laboratory use only.

### Components:

Potato infusion – 6.0g/L (dehydrated); 200.0g/L (granulated)

Dextrose – 20.0g/L (dehydrated)

Glucose - 20.0g/L (granulated)

Agar – 20.0g/L (dehydrated); 15.0g/L (granulated)

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Item	Description
<b><u>Physical and Chemical Tests</u></b>	
Appearance (dry):	Yellowish Powder / Granules
pH (@25°C):	5.6 ± 0.2
<b><u>Microbiological Tests</u></b>	
<i>Aspergillus niger</i> (ATCC 16404)	20 – 200 CFU
<i>Saccharomyces cerevisiae</i> (ATCC 9763)	20 – 200 CFU
<i>Candida albicans</i> (ATCC 10231)	20 – 200 CFU
<b><u>Quality Control Results</u></b>	

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\* The microbiological test results were obtained from type cultures after incubation at a temperature of 28 ± 1°C and observed after 48 - 96 hours.

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