



3050 Spruce Street  
Saint Louis, Missouri 63103 USA  
Telephone 800-325-5832 • (314) 771-5765  
Fax (314) 286-7828  
email: techserv@sial.com  
sigma-aldrich.com

## Product Information

### SABOURAUD DEXTROSE AGAR

Product Number **S 3181**

#### Product Description

Sabouraud Dextrose Agar is recommended for the selective cultivation of yeasts, molds and aciduric bacteria. Sabouraud Dextrose Agar is particularly useful for identification of fungi associated with skin infections. Sabouraud Dextrose Agar is recommended by the U.S. Pharmacopeia for microbial limit tests. Mycological peptone provides nitrogenous compounds. Dextrose provides an energy source. The low pH favors fungal growth and inhibits contaminating bacteria.

#### Components

Item	g/L
Mycological Peptone	10.00
Dextrose	40.00
Agar	15.00

Final pH (at 25 °C)  $5.6 \pm 0.2$

#### Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

#### Preparation Instructions

Suspend 65 grams of Sabouraud Dextrose Agar in 1000 mls of distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure. (121 °C) for 15 minutes.

#### Storage

Store the dehydrated medium at 24 °C and the prepared medium at 2-8 °C.

#### Product Profile

Appearance	Light yellow colored, homogeneous, free flowing powder.
Gelling	Firm
Color and Clarity.	Light amber colored, clear to slightly opalescent gel forms in petri plates
Cultural Response	Cultural characteristics observed after 48-72 hours at 30 °C.

Organisms	(ATCC)	Growth
<i>Aspergillus niger</i>	(16404)	luxuriant
<i>Candida albicans</i>	(10231)	luxuriant
<i>Trichophyton rubrum</i>	(28191)	luxuriant
<i>Saccharomyces cerevisiae</i>	(9763)	luxuriant
<i>Escherichia coli</i>	(25922)	Luxuriant*
<i>Lactobacillus casei</i>	(9595)	luxuriant

\*inhibited on media with lower pH

#### References

1. Carlier, G., (1948). Brit. J. Derm. Syph. 60,61.
2. Sabouraud, K., (1892). Ann. Dermatol. Syphilol. 3,1061.
3. U.S. Pharmacopeia, (1985). 21<sup>st</sup> Revision. U.S. Pharmacopeial Convention, Inc., Rockville, Maryland.
4. American Type Culture Collection, Manassas, Va., U.S.A.

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