



Diastaticus-Agar with Indicator

Version: 07/2022
M&S item number: 4027 (25 x 20 ml) and 4027-100 (100 x 20 ml)
Profile: Glass tubes with polycarbonate cap
Color: Turquoise
Storage: Dark and dry at room temperature
Shelf life: 6 months after production

Description and application range

Diastaticus-Agar with indicator is used for selective detection of beer-spoiling yeast *Saccharomyces cerevisiae* var. *diastaticus* during brewing process.

The nutrient formulation of the agar especially promotes the growth of this yeast because of its ability to metabolize starch. *Saccharomyces cerevisiae* culture yeasts are able to grow slightly but do not change the color of the agar. Copper sulphate inhibits the growth of bacteria.

The indicator facilitates the detection of *S. diastaticus* yeast by color changing from turquoise to greenish-colorless in 3-7 days depending on the sample.

The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd. 2:2020 standard.

Final pH: 5.5 ± 0.2 at 25 °C

Microbiological quality control

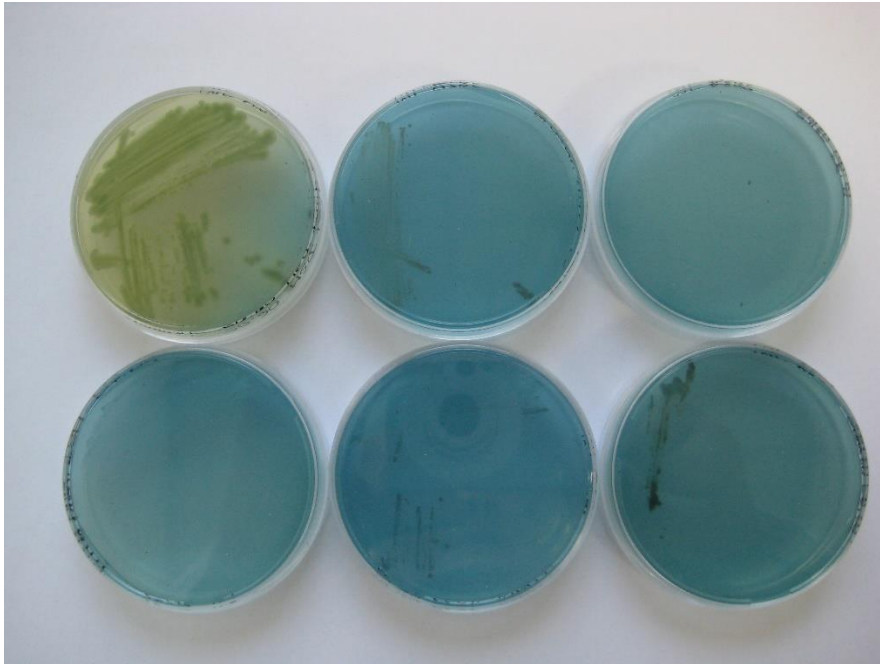
Bacterial contamination

Incubation: aerobically at room temperature for 7 days, specification: no growth

Productivity qualitative analysis

Incubation: 3-7 days at 25 ± 1 °C, aerobically

Microorganism	Test strain	Specification	Appearance
<i>S. diastaticus</i>	DSM 70487	Good growth, color changing	Good growth, color changing to light green-colorless of agar
<i>S. cerevisiae</i>	DSM 70449	Weak growth	No color changing of agar
<i>S. cerevisiae</i>	WDCM 00058	Weak growth	No color changing of agar
<i>Zygosaccaromyces rouxii</i>	DSM 7525	Weak growth	No color changing of agar
<i>Schizosaccharomyces pombe</i>	DSM 70576	Weak growth	No color changing of agar
<i>Brettanomyces bruxellensis</i>	DSM 70001	Weak growth	No color changing of agar



1. *S. diastaticus* DSM 70487 top left side
2. *S. cerevisiae* DSM 70449 top middle
3. *Zygosaccharomyces rouxii* DSM 7525 top right side
4. *Brettanomyces bruxellensis* DSM 70001 below left side
5. *S. cerevisiae* WDCM 00058 below middle
6. *Schizosaccharomyces pombe* DSM 70576 (4 days at 25 °C)