

Technical Data Sheet

Medium **DG-18 AGAR**
Recipe number **103**

Also known as Dichloran 18% glycerol agar

Intended use Enumeration of yeasts and moulds in food and animal feeding stuff with a water activity ≤ 0.95.

Typical formula (g/l)* Peptone 5.0; Glucose 10.0; Potassium dihydrogen phosphate 1.0; Magnesium sulfate 0.5; Dichloran 2 mg; Agar 15.0; Chloramphenicol 0.1; Glycerol 220.0

Formula conform ISO 21527-2

Interpretation Count the number of yeasts and/or moulds present and consider the dilution factor in determining the yeast and/or mould counts per gram or millilitre of sample being tested.

Quality Control

Sterility test 7 days at 25°C

Final pH at 20-25°C 5.6 ± 0.2

Appearance Beige, trace to slightly hazy gel

Growth performance

<u>Control strains</u>	<u>Test method</u>	<u>Conform</u>	<u>Incubation</u>	<u>Criteria</u>
S. cerevisiae ATCC 9763	80-120 cfu	ISO 11133	5d 25°C	PR ≥ 0.5 (ref. SDA), characteristic colonies
A. caesiellus ATCC 42693	80-120 cfu	ISO 11133	5d 25°C	PR ≥ 0.5 (ref. SDA), characteristic colonies
W. mellicola ATCC 42694	80-120 cfu	ISO 11133	5d 25°C	PR ≥ 0.5 (ref. SDA), characteristic colonies
E. coli ATCC 25922	≥10 ⁴ cfu	ISO 11133	5d 25°C	no growth
A. brasiliensis ATCC 16404	streak		2d 37°C	growth
S. cerevisiae ATCC 4098	streak		2d 37°C	growth
E. coli ATCC 25922	streak		1d 37°C	total inhibition

Remarks n.a.

* Adjusted and/or supplemented as required to meet performance criteria

Storage instructions : petridishes 2-15°C; petridishes with extended shelf life (-MF, -TF, -QC, -TR) 12-25°C; tubes/bottles/jars/bags 2-25°C; chromogenic products P090KP/R055PV: 2-8°C; minimize exposure to light.

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