

DG18-Agar with Chloramphenicol (DG18)

According to ISO 21527-2

Shorthand symbol:	DG18
Item number:	40-1038
Format:	Petri Dish, 90mm
Colour:	Beige, transparent
Storage conditions:	Dry, in closed bag at 4 – 10°C.
Shelf-life:	3 Months
pH:	5.6 ± 0.2 at 25°C



Intended use and fields of application

Dichloran-Glycerol-Agar with Chloramphenicol is used for isolation and enumeration of xerophilic moulds according to ISO 21527-2. The addition of Chloramphenicol inhibits the growth of bacteria, especially Gram Negative bacteria.

Typical composition in g/l

in g per 1 Litre Nutrient medium

Casein Peptone	5
D-Glucose	10
Potassium Dihydrogen Phosphate	1
Dichloran	0.002
Magnesium Sulphate, anhydrous	0.4
Chloramphenicol	0.1
Agar	14

*Adjusted as required to meet performance standards

Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements of DIN EN ISO 11133:2014.

Productivity

Incubation Conditions: 5 Days at 25±1°C; Inoculum Concentration of Target Organisms: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Saccharomyces cerevisiae	ATCC 9763/WDCM 00058	50–130%	Whitish, dry colonies
Walleimia sebi	ATCC 42694/WDCM 00182	50–130%	Brown colonies

Selectivity

Incubation Conditions: 5 Days at 25±1°C; Inoculum Concentration of Target Organisms: 10.000 – 1.000.000 CFU

Organism	Type Strain	Specification	Colony morphology
Escherichia coli	ATCC 8739/WDCM 00012	Complete inhibition	-
Bacillus subtilis	ATCC 6633/WDCM 00003	Complete inhibition	-

Microbial Contamination

Incubation Conditions: 5–7 Days at 20–25°C and 5–7 Days at 30–35°C

Specification

No microbial contamination