

## DG18-Agar with Chloramphenicol (DG18)

According to ISO 21527-2

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