

## Yeast Extract Agar (YEA)

According to DIN EN ISO 6222:1999

<b>Shorthand symbol:</b>	YEA
<b>Item number:</b>	71-1290
<b>Format:</b>	250ml-bottle with 200ml nutrient medium
<b>Colour:</b>	Clear, yellowish coloured
<b>Storage conditions:</b>	Dry, in closed bag, at 15-22°C
<b>Shelf-life:</b>	3 Months
<b>pH:</b>	7.2 ± 0.2 bei 25°C



### Intended use and fields of application

Yeast Extract Agar Medium is for the detection, isolation and enumeration of bacteria cultivated at 22 ± 1 °C and 37 ± 1 °C in water and waste water samples (BS EN ISO 6222:1999).

### Typical composition in g/l

#### in g per 1 litre nutrient medium

Casein Peptone	6.0
Yeast Extract	3.0
Agar	10.0

## Microbiological quality control

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

### Productivity

Incubation conditions:  $44 \pm 4$  Hours at  $36 \pm 1^\circ\text{C}$ ; Inoculation concentration of target organisms: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Escherichia coli	ATCC 8739 / WDCM 00012	$\geq 70 \%$	-
Bacillus subtilis	ATCC 6633 / WDCM 00003	$\geq 70 \%$	-

### Microbial Contamination

Incubation conditions: 5–7 days at  $20\text{--}25^\circ\text{C}$  and 5–7 days at  $30\text{--}35^\circ\text{C}$

### Specification

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No microbial contamination