

Yeast Extract Agar (YEA)

According to DIN EN ISO 6222:1999

Shorthand symbol:	YEA
Item number:	72-1290
Format:	500ml-bottle with 400ml nutrient medium
Colour:	Clear, yellowish coloured
Storage conditions:	Dry, in closed bag, at 15-22°C
Shelf-life:	3 Months
pH:	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

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

Productivity

Incubation conditions: 44 ± 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

No microbial contamination