



Yeast Extract Powder | AS-1010

For preparation of microbial culture media.

Yeast extract powder is produced by drying yeast cell extract. This product supplies a rich source of nitrogen, carbon, vitamins (especially vitamin B group), and free amino acids needed for bacterial growth.

Typical analysis

Powder appearance	Light yellow to brownish yellow, homogenous, free flowing
Solubility	Completely soluble in water, insoluble in alcohol
2% solution appearance	Clear, light yellow
pH (2% in water)	6.5 – 7.5

Chemical analysis

Total nitrogen	≥10.5
Sodium chloride	≤5
Amino nitrogen	≥4.5
Moisture	≤6

Amino acid composition (mg/g)

Aspartic acid	65
Threonine	26
Serine	24
Glutamic acid	115
Proline	23
Glycine	30
Alanine	48
Cysteine	-
Methionine	9
Isoleucine	31
Leucine	42
Tyrosine	11
Phenylalanine	26
Histidine	14
Lysine	46
Arginine	32
Tryptophan	-



Microbial Quality Control

Cultural response after 18-48 hours incubation at 35-37 °C on Plate Count Agar (AS-1328) prepared by Yeast Extract as a component.

Strain	ATCC	Growth
<i>Escherichia coli</i>	25922	Luxuriant
<i>Streptococcus pyogenes</i>	19615	Luxuriant
<i>Staphylococcus aureus</i>	25923	Luxuriant
<i>Enterococcus faecalis</i>	29212	Luxuriant
<i>Bacillus subtilis</i>	6633	Luxuriant
<i>Lactobacillus casei</i>	9595	Luxuriant

Shelf life and storage

Store between 10-30 °C in a ventilated and low humidity place and protected from light. Close the container tightly after use. Use before expiry date.

Note that this product is for R&D use only. DO NOT USE for drug, household, or any other uses.