

Yeast-Extract-Peptone-Dextrose agar (YEPD/YPD)

YPD Agar and YPD Broth are used for maintaining and propagating yeasts in molecular microbiology procedures.

REF: BS.1/YA01.100.0100
REF: BS.1/YA01.500.0500

100 Gram
500 Gram

REF: BS.1/YA01.250.0250

250 Gram

CLINICAL SIGNIFICANCE

Tryptone Water is recommended by APHA (1) for detection of indole production by coliforms, which is a key feature in differentiation of bacteria. A slight modification of Tryptone Water is recommended by ISO committee (2) for the same purpose. This test demonstrates the ability of certain bacteria to decompose the amino acid tryptophan to indole which accumulates in the medium

METHOD PRINCIPLE

YPD Agar contain peptone as a source of carbon, nitrogen, vitamins and minerals. Yeast extract supplies B-complex vitamins which stimulate bacterial growth. Dextrose is the carbohydrate source. YPD Agar contains agar as the solidifying agent.

MEDIA COMPOSITION

Item	Formula per liter of medium
- Yeast extract	10.00 gm.
- Peptone	20.00 gm.
- Dextrose	20.00 gm.
- Agar	15.00 gm.

PRECAUTIONS AND WARNINGS

Media to be handled by entitled and professionally educated person. Do not ingest or inhale.

Good Laboratories practices using appropriate precautions should be followed in:

- Wearing personnel protective equipment (overall, gloves, glasses.).
- Do not pipette by mouth.
- In case of contact with eyes or skin; rinse immediately with plenty of soap and water. In case of severe injuries; seek medical advice immediately.
- Respect country requirement for waste disposal.

S56: dispose of this material and its container at hazardous or special waste collection point.

S57: use appropriate container to avoid environmental contamination.

S61: avoid release in environment.

For further information, refer to the Yeast-Extract-Peptone-Dextrose agar material safety data sheet.

STORAGE AND STABILITY

BioScien Yeast-Extract-Peptone-Dextrose agar dehydrated media are stable until expiration date stated on label when properly stored 10-30°C. The prepared medium should be stored at 2-8°C. Use before expiry date on the label. On opening, product should be properly stored dry, after tightly capping the bottle in order to avoid lump development due to the hygroscopic nature of the product. Improper storage of the product may lead to lump formation. Store in a dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use. Product performance is best if used within stated expiry period.

Final pH 6.5 ± 0.2 at 25°C

MEDIA PREPARATION

- Suspend 65.0 grams in 1000 ml purified/ distilled water.
- Adjust pH to 6.5 ± 0.2 at 25°C
- Heat to dissolve the medium completely.
- Dispense into tubes or flasks as desired.
- Sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes.

Deterioration

The color of **BioScien** Yeast-Extract-Peptone-Dextrose agar is Cream to yellow homogeneous free flowing powder. If there are any physical changes, discard the medium.

The hydrated medium is Light to medium amber, slightly opalescent, media should not be used if there are any signs of deterioration (shrinking, cracking, or discoloration), and contaminations.

Type of specimen

Clinical samples

EQUIPMENT REQUIRED NOT PROVIDED

- Sterile cups
- Sterile test tubes
- Incubator

PERFORMANCE CHARACTERISTICS

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature

Test Organisms	Growth
<i>Kluyveromys lactis</i>	Luxuriant
<i>Saccharomyces cerevisiae</i>	Luxuriant
<i>Saccharomyces cerevisiae</i>	Luxuriant

QUALITY CONTROL

To ensure adequate quality control, it is recommended that positive and negative control included in each run. If control values are found outside the defined range, check the system performance. If control still out of range please contact **BioScien** technical support.

REFERENCES

1.1. Ausubel, Brent, Kingston, Moore, Seidman, Smith and Struhl. 1994. Current protocols in molecular biology, Current Protocols, Brooklyn, N.Y

SYMBOLS IN PRODUCT LABELLING			
IVD	For in-vitro diagnostic use		Number of <n> test in the pack
LOT	Batch Code/Lot number		Caution
REF	Catalogue Number		Do not use if package is damaged
	Temperature Limitation		Consult Instruction for use
	Expiration Date		
	Manufactured by		

