

PEPTONE MYCOLOGICAL

Mixture of peptones for yeasts culture.

USE

PEPTONE MYCOLOGICAL is a combination of bacteriological peptone and papaic digest of liver: the first one is an enzymatic hydrolysate of meat and represents a nitrogen sources readily available for bacterial growth. Papaic digest of liver is prepared from beef liver by a controlled hydrolysis which produces a peptone rich in vitamins and essential amino acids. Its nutritional values are higher than those of most peptones and aid the growth of strict anaerobes that are generally fastidious. As a result of its capacity to stimulate sugar metabolism, papaic digest of liver is perfectly suited for growth of varied genera such as *Clostridium*, *Leuconostoc*, homo and hetero-fermenting lactic acid bacteria, as well as yeasts and filamentous fungi such as *Aspergillus oryzae*.

PHYSICO-CHEMICAL CHARACTERISTICS

	Standard
Solubility in water at 10%	Complete
pH of 1% solution	6.9-7.5
Loss on drying	3.2%
Total nitrogen	13.7%
α-amino nitrogen AN	3.3%
AN /TN x 100	23.8%
Ash	7.0%

TECHNIQUE

Peptone Mycological can be used as an ingredient of dehydrated culture media and need dissolution in distilled or deionized water and sterilization by autoclaving.

QUALITY CONTROL

Dehydrated powder

Appearance: free-flowing, homogeneous.

Color: tan.

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.








REFERENCES

1. Eaton, A.D., L.S. Clesceri, and A.E. Greenberg. (1995). Standard methods for the examination of water and wastewater, 19th ed. American Public Health Association, Washington, D.C.
2. Vanderzant, C., and D.F. Splittstoesser. (1992). Compendium of methods for the microbiological examination of food, 3rd ed. American Public Health Association, Washington, D.C.

PRESENTATION

Product	REF	Σ
PEPTONE MYCOLOGICAL	612101	500 g
PEPTONE MYCOLOGICAL	6121015	5 Kg

TABLE OF SYMBOLS

LOT Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	IVD <i>In Vitro</i> Diagnostic Medical Device
REF Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	 Keep away from heat source



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