

DEY-ENGLY NEUTRALIZING BROTH, MODIFIED

An inactivating broth for neutralize antiseptics and disinfectants as well as to detect organisms remaining after treatment.

Dehydrated media	
Code number:	500 g: DNB20500, 5 kg: DNB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,4 – 7,8

Direction: Suspend **40 g** in one litre of distilled water. Mix well and keep the suspension at about 50 °C until the lecithin dissolves completely (20 – 30 min). Meanwhile mix several times. Heat with frequent agitation until the medium boils well. Filter it through a fine filter. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: DNB30100, 500 ml: DNB30500
Tubed media:	150 x 15 mm: DNB40010 (10 ml)
Colour:	Yellowish, homogeneous turbid
pH (25 °C):	7,5 – 7,7

Direction: Dispense the bottled media aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Casein peptone	5,00
Yeast extract	2,50
L-Histidine	1,00
Glucose	10,00
Sodium thiosulphate	6,00
Sodium bisulphite	2,50
Sodium thioglycollate	1,00
Lecithin	7,00
Polysorbate 80	5,00
Bromo cresol purple	0,02

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i> ATCC 25922		Good	
<i>Staphylococcus aureus</i> ATCC 29213		Good	

References: Dey and Engley (1970) CSMA Proceedings
ISO 21149:2017

In vitro diagnostic – for professional use only!