B1006	DEY-ENGLEY NEUTRALIZING BROTH
Formula	
Ingredients:	**gms/lit.**
Tryptone	5.00
Yeast extract	2.50
Dextrose	10.00
Sodium thiosulphate	6.00
Sodium thioglycollate	1.00
Sodium bisulphite	2.50
Lecithin	7.00
Polysorbate 80	5.00
Bromo cresol purple	0.02
Final pH (at 25°C): 7.6 + 0.2	

Directions:

Suspend 39.02 grams in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Mix well and dispense into tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C.

Principle:

Tryptone provides nitrogen and carbon source, long chain amino acids, vitamins and other essential nutrients. Dextrose is an energy source. Yeast extract is also a rich source of vitamin B-complex. The present formulation incorporates neutralizing substances for almost all the active products used as antiseptics and disinfectants. Sodium bisulfite neutralizes aldehydes; sodium thioglycollate neutralizes mercurials; sodium thiosulfate neutralizes iodine and chlorine; lecithin neutralizes quaternary ammonium compounds; and polysorbate 80, a non-ionic surface-active agent, neutralizes substituted phenolics. Bromocresol purple is an indicator for dextrose utilization. Due to the high concentration of lecithin in the broth medium, turbidity cannot be used to detect growth. Therefore, bromocresol purple and dextrose are added to the medium. Those organisms that ferment dextrose will turn the medium from purple to yellow. Growth of Pseudomonas species, which do not ferment dextrose, can be detected by the formation of a pellicle on the surface of the broth.

QC Tests – (I)Dehydrated Medium		
Colour:	Light yellow to bluish grey	
Appearance:	Homogeneous Free Flowing powder	
(II)Rehydrated medium		
pH (post autoclaving/heating):	7.6 ± 0.2	
Colour (post autoclaving/heating):	Purple to reddish purple	
Clarity (post autoclaving/heating):	Opalescent solution (may have particulate precipitate) in tubes	
(III)Q.C. Test Microbiological		
Cultural characteristics observed after 40-48 hrs.at 35-37°C.		
MICROORGANISM (ATCC)	GROWTH	
Bacillus subtilis (6633)	Luxuriant	
Escherichia coli (25922)	Luxuriant	
Escherichia coli (8739)	Luxuriant	
Pseudomonas aeruginosa (27853)	Luxuriant	
Salmonella typhimurium (14028)	Luxuriant	
Staphylococcus aureus (25923)	Luxuriant	
Staphylococcus aureus (6538)		

Precautions :	1. For Laboratory Use.
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use:	Used in disinfectant testing where neutralization of the antiseptics and disinfectants is important for determining its bactericidal activity.
Storage:	Dehydrated medium- below 30°C Prepared medium– Use freshly prepared medium.
Packing:	500 gm bottle

Refer disclaimer Overleaf

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Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1006	39.02 g/l	12.813 L	7.6 ± 0.2	NIL	121^0C / 15 minutes