



PHARMACOPOEIA WATER DILUENT

Buffered sodium chloride peptone solution according to European Pharmacopoeia

TYPICAL FORMULA (g/l)

Potassium di-hydrogen phosphate	3.56
Disodium hydrogen phosphate anhydrous	5.76
Sodium chloride	4.30
Tryptone	1.00

Final pH = 7.0 ± 0.1 at 25°C.

DIRECTIONS

Add 14.6 g of powder to 1000 mL of distilled or deionized water and mix well to dissolve. Distribute into sterile containers. Sterilize in autoclave at 121°C for 15 minutes. If required add the suitable neutralising compounds as suggested below.

DESCRIPTION

PHARMACOPOEIA WATER DILUENT corresponds to the liquid medium recommended by EP 3rd Ed (Buffered sodium chloride peptone solution) as general-purpose diluent for microbiological analysis. To this basal medium several compounds may be added to neutralise the activity of disinfectants. The typical neutralising diluent recommended by EP has the following formulation:

Buffered sodium chloride peptone solution 1000 mL	
Polysorbate (Tween) 80	30 g
Lecithin	3 g
Hystidine HCl	1 g

TECHNIQUE

Homogenise the sample and/or prepare decimal dilutions of the sample using the diluent as described. Leave at room temperature for 30-60 minutes. Inoculate the suitable culture media.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Colour: tan

Prepared medium

Appearance: slightly opalescent with no significant precipitate.

Colour: light amber

Incubation conditions: 36±1°C / 18-24 hours.

Microorganisms	ATCC	Growth
<i>Escherichia coli</i>	25922	Good
<i>Staphylococcus aureus</i>	25923	Good

STORAGE

The powder is very hygroscopic: store the powder at 10-30°C, in a dry environment, in its original container tightly closed away from bright light. When stored as directed the medium will remain stable until the expiry date printed on the label. Store prepared containers at 2-8°C.

REFERENCES

European Pharmacopoeia (EP)3rd Edition, 2001 Supplement.

PACKAGING

Code 610099 PHARMACOPOEIA WATER DILUENT (34.2 l).....	500 g
Code 620099 PHARMACOPOEIA WATER DILUENT (9.43 l).....	100 g



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