

## Buffered Peptone Water

**Product Number: BPW-250g**

### Product details

Formula of culture medium (per liter); pH7.2 ± 0.2(25°C)

Component	Weight
Peptone	10.0g
Sodium Chloride	5.0g
Disodium Hydrogen Phosphate	3.6g
Monopotassium phosphate	1.5g

### Instructions

Weigh 20.1g of this product into 1L of distilled water or deionized water, heat and boil until completely dissolved, divide and sterilize at 121°C for 15 minutes, and set aside.

### Quality control example

#### 1. Physical and chemical testing

Inspection items	Inspection standards	Inspection results
Powder appearance	Light yellow powder, uniform and free of impurities	Light yellow powder, uniform and free of impurities
Solution	Light yellow, transparent and free of impurities	Light yellow, transparent and free of impurities
pH(25°C)	7.2±0.2	7.36
Moisture content	≤5%	2.9%

#### 2. Sensitivity test (35 °C cultivation)

Quality control strains	Inoculation amount	Growth	Conclusion
Escherichia Coli	1-10CFU	The broth is turbid and grows well	Pass
ATCC 25922			
Salmonella typhimurium	1-10CFU	The broth is turbid and grows well	Pass
ATCC 14028			
Enterococcus faecalis	1-10CFU	The broth is turbid and grows well	Pass
ATCC 29212			
klebsiella pneumoniae	1-10CFU	The broth is turbid and grows well	Pass
ATCC 10031			
Enterobacter sakazakii	1-10CFU	The broth is turbid and grows well	Pass
ATCC 29544			
Listeria monocytogenes	1-10CFU	The broth is turbid and grows well	Pass
ATCC 19111			

Conclusion: The physical and chemical properties as well as sensitivity of the product are qualified, and the product is qualified.