

### APWL003

### 0.1% Peptone Water

0.1% Peptone Salt Solution is used as diluent for different test method.

<b>Composition</b>	<b>Ingredients Gms / Litre</b>
Peptone	1.000
Sodium chloride	8.500

#### **Appearance:**

Sterile 0.1% Peptone Water in Screw cap/ flip off seal in bottle / tube

#### **pH (at 25°C):**

6.90 to 7.30

#### **Principle:**

0.1% Peptone Salt solution is recommended as a diluent for dilution of sample by different test methods widely used for examination of food stuffs. Standard methods for the examination of food stuffs require sample dilution to be carried out accurately for enumerating the microorganisms. This medium is also recommended by ISO Committee for use as an isotonic diluent. It contains peptone at low concentration which provides nutrients for survival of microorganisms and hence protecting the organisms. Sodium chloride at 0.85% concentration maintains osmotic balance of medium thereby maintaining cell morphology and integrity. The pH of this diluent medium is near neutral range optimum for viability of microorganisms. Therefore it can be successfully used as a diluent for carrying out dilutions of different samples.

#### **Quantity of Medium**

200 ml in 500 ml bottle with screw cap / flip off seal

#### **Cultural Response**

Cultural characteristics observed after incubation at 30-35°C for 24 hours and recovery should be greater than 70%.

#### **Sterilization Method**

Sterilized by autoclaving at 121 °C as per validated cycle

#### **Sterility Test:**

Passes release criteria.

#### **Shelf Life and Storage Conditions:**

Use before expiry date on the label and store below 25°C.

#### **Reference Pharmacopoeia:**

USP/EP / BP / JP