

# Certificate of Analysis



**Buffered Peptone Water (BPW) (ISO)**  
**Catalogue No. MED017-10KG**

**Lot No: 308118**  
**Exp: AUG.19.2025**

## PHYSICAL CHARACTERISTICS

| <u>SPECIFICATION</u> |            | <u>EXPECTED RESULTS</u>         | <u>ACTUAL RESULTS</u>           |
|----------------------|------------|---------------------------------|---------------------------------|
| <u>Dehydrated:</u>   | Appearance | Homogenous, free-flowing powder | Homogenous, free-flowing powder |
|                      | Color      | Beige                           | Beige                           |
| <u>Prepared:</u>     | Clarity    | Clear, no precipitate           | Clear, no precipitate           |
|                      | Color      | Pale yellow                     | Pale yellow                     |
| <u>pH:</u>           |            | 7.0 ± 0.2 @ 25°C                | 7.1 @ 25°C                      |

## CULTURAL RESPONSE- tested in compliance to ISO 11133:2014

The medium was prepared according to label directions and inoculated with the organisms listed below. Cultures were incubated at appropriate atmosphere and temperature and examined for growth at 16-20 hours.

| <u>MICROORGANISM</u>   | <u>ATCC</u> | <u>APPROX.<br/>INOCULUM<br/>(CFU)</u> | <u>EXPECTED RESULTS</u>   | <u>ACTUAL RESULTS</u> |
|--|-------------|---------------------------------------|---|-----------------------|
| Pre-enrichment for <i>Salmonella</i> and <i>Enterobacteriaceae</i> detection |             |                                       |   |                       |
| <i>Escherichia coli</i>  | 25922       | 10-100                                | Growth  | Meets Expected Result |
| <i>Escherichia coli</i>  | 8739        | 10-100                                | Growth  | Meets Expected Result |
| <i>Salmonella enteritidis</i>  | 13076       | 10-100                                | Growth  | Meets Expected Result |
| <i>Salmonella typhimurium</i>  | 14028       | 10-100                                | Growth  | Meets Expected Result |
| <i>Cronobacter sakazakii</i>   | 29544       | 10-100                                | Growth  | Meets Expected Result |
| <i>Cronobacter muytjensii</i>  | 51329       | 10-100                                | Growth  | Meets Expected Result |
| Diluent for enumeration of microorganisms and <i>L. monocytogenes</i>        |             |                                       |   |                       |
| <i>Escherichia coli</i>  | 25922       | 50-200*                               | T <sub>1</sub> plate counts w/in ± 30% of counts for T <sub>0</sub> | Meets Expected Result |
| <i>Escherichia coli</i>  | 8739        | 50-200*                               | T <sub>1</sub> plate counts w/in ± 30% of counts for T <sub>0</sub> | Meets Expected Result |
| <i>Staphylococcus aureus</i>   | 25923       | 50-200*                               | T <sub>1</sub> plate counts w/in ± 30% of counts for T <sub>0</sub> | Meets Expected Result |
| <i>Listeria monocytogenes</i>  | 13932       | 50-200*                               | T <sub>1</sub> plate counts w/in ± 30% of counts for T <sub>0</sub> | Meets Expected Result |
| <i>Listeria monocytogenes</i>  | 35125       | 50-200*                               | T <sub>1</sub> plate counts w/in ± 30% of counts for T <sub>0</sub> | Meets Expected Result |

\*Following a diluent testing procedure in BPW where final plating onto TSA yields a countable recovery amount at T<sub>0</sub> and T<sub>1</sub>

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## ANIMAL DERIVED MATERIAL COUNTRY OF ORIGIN INFORMATION

| <u>ANIMAL DERIVED MATERIAL</u> | <u>TISSUE SOURCE/ RISK CATEGORY*</u> | <u>ANIMAL SPECIES</u> | <u>COUNTRY OF ORIGIN</u> |
|--------------------------------|--------------------------------------|-----------------------|--------------------------|
| Casein                         | Milk/ B*                             | Bovine                | <i>New Zealand</i>       |
| Enzyme                         | Pancreas/ NA**                       | Porcine               | <i>United States</i>     |

\* Risk Categories as defined by the European Pharmacopeia.

\* Not Applicable. "Non-TSE-relevant animal species."

Product was tested in compliance to the regulation noted above. Variances in data may occur. External factors such as adverse storage conditions or contamination of product may cause loss in performance. Solus Scientific Solutions Ltd certifies that this lot met all quality control specifications for this product.

**Gillian Bradley**, Quality Manager

Date: Thursday, September 23, 2021