

Food safety, **simplified.**

QUALITY CONTROL CERTIFICATE

PRODUCT: BUFFERED PEPTONE WATER ISO 6579, ISO 22964, ISO 6887 / DIN 10181,10160 /USP**CAT N°:** 1402**BATCH:** 906031**RE-TEST DATE:**2023/06**QC Date:** 2019/06**pH:** 6.90

We hereby certify that the above mentioned culture medium has been approved by the Quality Control Laboratory.

FORMULA IN g/l:

Pancreatic digest of Casein:10.0 Disodium Phosphate *: 3.5
Sodium Chloride:5.0 Monopotassium Phosphate: 1.5

* Equivalent to 9.0 g of Disodium Hydrogen Phosphate Dodecahydrate

The pH after preparing the medium and at room temperature: 7.0 ± 0.2

PHYSICAL AND CHEMICAL TEST

Appearance: fine powder

Solubility: w/o rests

Color: white cream to slightly toasted

Color of the prepared medium: light amber.

MICROBIOLOGICAL TEST

The following results were obtained in the performance of the medium from type cultures after incubation at a temperature of $37 \pm 1^\circ\text{C}$ and observed after 18 ± 2 hours.

Microorganisms	Growth	Inoculum (cfu/ml)
<i>Salmonella enteritidis</i> ATCC 13076	Good	10^{-10^2}
<i>Salmonella typhi</i> ATCC 19430	Good	10^{-10^2}
<i>Salmonella typhimurium</i> ATCC 14028	Good	10^{-10^2}
<i>Enterobacter sakazakii</i> ATCC 29544	Good	10^{-10^2}

According to ISO 11133 :

Microorganisms	International Standard	Incubation	Methods of control	Criteria
<i>Escherichia coli</i> ATCC 8739	ISO 6887	45 min – 1 h 20°C to 25°C	Quantitative	35% colonies
<i>Staphylococcus aureus</i> ATCC 25923	ISO 6887	45 min – 1 h 20°C to 25°C	Quantitative	30% colonies
<i>Listeria monocytogenes</i> ATCC 13932	ISO 11290-2	$1 \text{ h} \pm 5 \text{ min} / 20 \pm 2^\circ\text{C}$	Quantitative	33% colonies
<i>Salmonella typhimurium</i> ATCC 14028	ISO 6579/ISO 11290-2	$18 \text{ h} \pm 2 \text{ h} / 37 \pm 1^\circ\text{C}$	Qualitative	Turbidity (2)
<i>Salmonella enteritidis</i> ATCC 13076	ISO 6579	$18 \text{ h} \pm 2 \text{ h} / 37 \pm 1^\circ\text{C}$	Qualitative	Turbidity (2)

Reference media Agar TSA

Laboratory result: Satisfactory

Carmen Ramirez, QC Manager

