

QUALITY CONTROL CERTIFICATE

PRODUCT: BUFFERED PEPTONE WATER ISO / FCM-248

CAT Nº: 1402

BATCH: 811211

RE-TEST DATE: 2022/11

QC Date: 2018/11

pH: 7.03

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 ± 1°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 25922	ISO 6887	45 min – 1 h 20-°C to 25°C	Quantitative	36% colonies
<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	39% colonies
<i>Listeria monocytogenes</i> ATCC 13932	ISO 11290-2	1 h ± 5 min / 20 ± 2°C	Quantitative	33% colonies
<i>Listeria monocytogenes</i> ATCC 35152	ISO 11290-2	1 h ± 5 min / 20 ± 2°C	Quantitative	31% colonies
<i>Salmonella typhimurium</i> ATCC 14028	ISO 6579/ ISO 21528-1	18 ± 2 h/ 37 ± 1°C	Qualitative	Turbidity (2)
<i>Salmonella enteritidis</i> ATCC 13076	ISO 6579	18 ± 2 h/ 37 ± 1°C	Qualitative	Turbidity (2)
<i>Escherichia coli</i> ATCC 25922	ISO 21528-1	18 ± 2 h/ 37 ± 1°C	Qualitative	Turbidity (2)
<i>Escherichia coli</i> ATCC 8739	ISO 21528-1	18 ± 2 h/ 37 ± 1°C	Qualitative	Turbidity (2)

Reference media Agar TSA

Laboratory result: Satisfactory

Carmen Ramirez, QC Manager

