

## CERTIFICATE OF ANALYSIS

### BPW SPONGE-STICK

Lot	Manufacturing date	Shelf-life
7330624EBPWH	17-jun-2024	01 year

#### Sterilization method

Gamma irradiation

Physical characteristics	Specification	Results
pH (25°C)	7.0 ± 0.2	7.0
Visual appearance	Sponge: yellow to orange-yellow, free of impurities, may contain dark spots. Medium: liquid, light yellow to very clear, clear.	Conform

#### Microbiology analysis

##### Sterility tests

Incubation	Specification	Results
35±2°C for 24h	Absence of microbial growth	Conform

##### Growth promotion tests

Strain	Inoculum	Incubation	Specification	Results
<i>Salmonella typhimurium</i> ATCC 14028	≤10 <sup>2</sup> CFU	Aerobic, 35±2°C for 18-24h	Good growth	Conform
<i>Escherichia coli</i> ATCC 25922	≤10 <sup>2</sup> CFU	Aerobic, 35±2°C for 18-24h	Good growth	Conform

#### Conclusion

This lot was analyzed and satisfy all the product specifications; therefore, it was **APPROVED** for use. bioBoaVista guarantees the quality of its products with sealed packages. The Instructions For Use are displayed overleaf.

Approval: 26-jun-2024

Ludimila Alfredo  
Quality Analyst



Document available on: [www.bioboavista.com.br](http://www.bioboavista.com.br)

## BPW SPONGE-STICK

### Presentation

Sampling bag containing 1 sponge-stick and 10ml of sterile BPW.

### Sterilization method

Gamma irradiation.

### Application

Used as a swab for environmental monitoring to collect samples for the detection of *Salmonella* spp.

### Principle

The presence of 1% Buffered Peptone Water ensures the non-selective pre-enrichment of *Salmonella* spp species present in collected samples, maintaining viable cells and promoting the recovery of injured cells until analysis in the laboratory.

### How to use

Open the sampling bag, remove the sponge, and collect the sample according to the adopted sampling plan. Upon completing the collection, return the sponge to the sampling bag and seal the bag. Send the samples to the laboratory as soon as possible, at a temperature of 2-8°C. Proceed with the analysis according to the methodology adopted by the laboratory.

### Quality Control

Test	Result
Sterility	Absence of microbial growth
<i>Salmonella enterica</i> ATCC 14028	Good growth with turbidity of the medium
<i>Escherichia coli</i> ATCC 25922	Good growth with turbidity of the medium
Visual appearance	Sponge: yellow to orange-yellow, free of impurities, may contain dark spots. Medium: liquid, light yellow to very clear, clear.
pH at 25°C	7.0 ± 0.2

### Results interpretation

Microbial growth is evidenced by the cloudiness of the medium. If growth is observed, perform microscopic analysis, subculture on selective media, and biochemical tests to identify isolated genera and species, if necessary. Perform the reading according to official compendia or internal laboratory methodology.

### Precautions and special care

Product intended for *in vitro* diagnostic use only.

Restricted for use by professionals. Do not inhale or ingest.

Do not use the product beyond the expiration date, with signs of contamination, or if it has changed color. In the presence of contamination, the product should be immediately discarded.

Do not use the product if the packaging is damaged or tampered with.

### Storage

Store between 2-35°C in a dry place and protect from light.

### Shelf-life

1 year.

### Disposal of the product

After use, the product must be handled at the generating unit before environmentally appropriate final disposal, in accordance with official regulations.

### Quality Guarantee

bioBoaVista guarantees the quality of its products as long as they are used according to their respective instructions and in accordance with national and international references. bioBoaVista does not take responsibility for the use of its products for purposes other than those described and approved by the company. All clinical diagnoses should be analyzed in conjunction with clinical evidence and not solely based on laboratory results.

### References

1. Becton, Dickinson and Company. Difco & BBL Manual. Manual of Microbiological Culture Media, 2nd ed., 2009.
2. ISO 6579-1:2017. Microbiology of food chain – Horizontal method for the detection, enumeration and serotyping of *Salmonella*. Part 1: Detection of *Salmonella* spp.
3. ISO 11133:2014. Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media.
4. Manual de Métodos de Análise Microbiológica de Alimentos, Livraria Varela, 3ª ed., 2007.
5. Merck Microbiology Manual. 12th ed.
6. Ministério da Agricultura, Pecuária e Abastecimento. Instrução Normativa n° 20, de 21 de outubro de 2016. Estabelece o controle e o monitoramento de *Salmonella* spp. nos estabelecimentos avícolas comerciais de frangos e perus de corte e nos estabelecimentos de abate de frangos, galinhas, perus de corte e reprodução. Diário Oficial da União. Brasília de 25 out. 2016. Seção 1, p.13.