



Certificate of Analysis

Date: 9/16/2026 Date Tested: 8/28/2026
Customer: Peptides Optimized LLC Testing material: Bacteriostatic Water
Batch #: BAC3-Y01 BT Sample ID: 164077910091655
Labeled Fill 3 mL Storage: R.T.
Volume:
Visual Description: Clear, colourless solution in a 3 mL glass vial; grey aluminium crimp, white flip-off cap.
Labeled as: Bacteriostatic Water Manufacturer: N/A
Testing Purpose: Analysis of bacteriostatic water for injection: appearance, pH, benzyl alcohol content, bacterial endotoxins and sterility as recorded in this certificate. It does not test peptide purity or potency.



Test	Method	Specification	Result
Appearance	Visual	Clear, colorless solution; free of visible particulates	Clear, colorless PASS
pH	USP <791>	4.5 – 7.0	5.5 PASS
Benzyl Alcohol Content	HPLC	0.8 – 1.0 % w/v	0.9 % w/v PASS

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

COA # 1434373

ACCESS CODE **1BEB2A22C71D**

VERIFY AT www.genesisbiolabs.org/verify

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Signed 9/16/2026

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GB-QSA-TR001
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Certificate of Analysis

Product: Bacteriostatic Water **Batch #:** BAC3-Y01 **Content:** 3 mL **Tested:** 8/28/2026

Test	Method	Specification	Result	Status
Bacterial Endotoxins Test	USP <85>	NMT 40 EU/vial reconstituted	PASS	PASS

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

Bacterial Endotoxins Test Bacteriostatic Water Lot BAC3-Y01

Sample ID	Description	Volume (mL)	Endotoxin Limit (EU/vial)	Lysate Sensitivity (λ, EU/mL)	Result
BAC3-Y01	Bacteriostatic Water	3	40 EU/vial	0.25	0.08 EU/vial

The sample passed a valid gel clot endotoxin test based on the type, mode of administration and dosage.

Sterility Test

Test	Method	Specification	Result	Status
Sterility	USP <71> (membrane filtration)	No microbial growth	PASS	PASS

Medium	Incubation Temp.	Duration	Units Tested	Observation
Fluid Thioglycollate Medium (FTM)	30 – 35 °C	14 days	2	No growth
Soybean–Casein Digest Medium (SCDM)	20 – 25 °C	14 days	2	No growth

No microbial growth was observed. The sample meets the requirements of the sterility test (USP <71>).

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Product: Bacteriostatic Water **Batch #:** BAC3-Y01 **Content:** 3 mL **Tested:** 8/28/2026

Notes & Methodology

1. Appearance assessed by visual inspection for clarity, colour and visible particulate matter.
2. pH determined potentiometrically per USP <791>.
3. Benzyl alcohol content (bacteriostatic preservative) determined by RP-HPLC against a reference standard.
4. Bacterial endotoxins determined by gel-clot method per USP <85>. Sterility per USP <71>.