

# Certificate of Analysis



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## Product Details

**Product description:** VitBase  
**Product code** VBS-20  
**Lot number:** J000007905  
**Expiry date:** 03 May. 2027

## Intended Use

VitBase is a HEPES buffered medium that is used to maintain embryos for a short period of time in a non-gassed environment.

**USA only:** Gems VitBase is a HEPES buffered medium that is used to maintain embryos for a short period of time in a non-gassed environment during embryo vitrification and warming procedures. The embryos can be placed in this medium for a maximum of 10 minutes.

**Caution:** Federal law (USA) restricts this device to sale by or on the order of a physician or practitioner trained in its use.

## Product Analysis

| Assay              | Specification                                                          | Result |
|--------------------|------------------------------------------------------------------------|--------|
| pH at 25 °C in air | 7.3 – 7.5                                                              | Pass   |
| Osmolality         | 295 – 305 mOsm/kg                                                      | Pass   |
| MEA                | MEA (1-cell): ≥80% developed to blastocyst stage or beyond by 96 hours | Pass   |
| Endotoxin          | <0.40 EU/mL                                                            | Pass   |
| Sterility          | No Growth                                                              | Pass   |
| HSA Analysis       | 15.00 – 25.00 mg/mL                                                    | Pass   |

## Product passed and released by Quality

**Signature:**

Electronically signed by: Nicole Connor  
Reason: QA Approval  
Date: Jun 16, 2026 10:23:29 GMT+10

**Name:** Nicole Connor

**Job Title:** Quality Assurance Associate

**Date:** 16 Jun. 2026

# Certificate of Analysis- J000007905

Final Audit Report

2026-06-16

|                 |                                                |
|-----------------|------------------------------------------------|
| Created:        | 2026-06-16 (Australian Eastern Standard Time)  |
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| Status:         | Signed                                         |
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