

PRODUCT: Vitrification Media

LOT#: N0405

EXPIRY DATE: 2025-04-08

Year / Month / Date

REF: 91101

CODE: VT601



(01) 1 4582231 46207 7 (17) 250408 (10) N0405

APPROVED BY:

Kazumi Shibata
Quality Control

2024-05-20

CERTIFICATE OF ANALYSIS**Indication for Use:** Vitrification Media is used for vitrification and storage of oocytes and/or embryos.**Storage:** Store between 2-8 °C.**Caution:** Federal law restricts this device to sale by or on the order of a physician or practitioner trained in its use.

The product has been manufactured by Kitazato Corporation in conformity with requirements of ISO13485 Quality management system. The quality of products was tested and evaluated by quality control procedures.

| ASSAY | SPECIFICATION | RESULT | | | |
|----------------------------|---------------------------------|--------|--------|--------|--------|
| | | BS | ES | VS1 | VS2 |
| Color | Clear, Particle Free/ Rose Pink | Pass | Pass | Pass | Pass |
| pH | 7.20-7.60 | 7.44 | 7.50 | 7.49 | 7.49 |
| Osmolality ¹ | BS:240-300 | | | | |
| | ES:2300-2800 | 291 | 2577 | 5439 | 5418 |
| | VS:4900-6000 | | | | |
| Endotoxin ² | < 0.25 EU/mL | 0.029 | <0.007 | <0.007 | <0.007 |
| Sterility ³ | No Microbial Growth | Pass | Pass | Pass | Pass |
| MEA(One Cell) ⁴ | | | | | |
| -Control | ≥ 80% | | 100% | | |
| -This Lot | ≥ 80% | | 90.48% | | |
| Gentamicin ⁵ | 20-50µg/mL | Pass | Pass | Pass | Pass |

¹ Osmotic pressure is measured either by osmolarity; with freezing point in mOsm/L or by osmolality; with vapor pressure osmometry in mmol/kg.

² Bacteria Endotoxins Test, Photometric Techniques in accordance with the USP, EP and JP

³ Sterility Tests, Direct Inoculation in accordance with the USP, EP and JP

⁴ One cell mouse embryo testing is performed using fresh mouse embryos. Test results indicate the percentage of mouse embryos developing to fully expanded blastocysts after 96 hours in culture medium.

⁵ Gentamicin quantitative assay is conducted. The acceptance criteria required is less than 50µg/mL.