SAGE™ Vitrification Kit

Product No.
ART-8026

Vitration Solution (VS) 12 mg/mL human albumin.

PRODUCT DESCRIPTION
Equilibration Solution (ART-8026-A) is a MOPS buffered solution of modified HTF containing non-essential and essential amino acids, gentamicin (10 µg/mL), 15% (v/v) each of essential amino acids, gentamicin sulfate (10 µg/mL), 15% (v/v) each of essential amino acids, and 0.6 M sucrose.

Equilibration Solution
12 mg/mL human albumin.

Vitrification Solution (VS)
2 x 2 mL

ART-8026-A: 2 x 2 mL
ART-8026-B: 2 x 2 mL
ART-8026-G: 2 x 2 mL

Customer Service
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Indications for use
SAGE Vitrification Kit is intended for use in the vitrification of oocytes (MII), pronuclear (PN) zygotes through day 3 cleavage stage embryos and blastocyst stage embryos.

PRODUCT DESCRIPTION
Equilibration Solution (ART-8026-A) is a MOPS buffered solution of modified HTF containing non-essential and essential amino acids, gentamicin (10 µg/mL), 15% (v/v) each of DMEO and ephraptolysin and 12 mg/mL human albumin.

Vitrification Solution (ART-8026-B) is a MOPS buffered solution of modified HTF containing non-essential and essential amino acids, gentamicin (10 µg/mL), 15% (v/v) each of DMEO and ephraptolysin, 12 mg/mL human albumin and 0.6 M sucrose.

WARNING
The user should read and understand the necessary information.

3. Make sure the contents of each vial of ES and VS are well-mixed by gentle inversion several times before use.

4. Prepare the dish(es) by aseptically dispensing 500 µL of ES and 2 x 250 µL of VS (see Figure 2).

5. Remove the culture dish containing the sample(s) from the incubator and check their quality.

6. Carefully transfer the sample(s) with a minimal volume of culture medium to the ES and start the timer. Allow the specimen(s) to equilibrate for 5 to 15 minutes. The specimen(s) will shrink and then gradually re-expand to original size, indicating that equilibration is complete.

7. Steps 6-11 should be completed within 90-110 seconds.

8. After equilibration in ES is complete, insert one ES into the transfer pipette and transfer the specimen(s) with minimal volume from the ES into VS and leave for a maximum of 30 seconds.

9. Quickly, transfer the sample(s) from VS1 to the center of the second drop of VS2 and leave for a maximum of 30 seconds.

10. For the vitrification procedure, carefully transfer the specimen(s) with minimal volume of VS from drop VS2 to the carrier, as recommended by the manufacturer.

11. If more oocytes are to be vitrified, repeat steps 3 to 11 above using fresh solutions of ES and VS.

B. Procedure – zygotes, embryos and blastocysts
Maximum of 4 cryoprotectant/vitrification solutions per dispensed media.

1. Fill the liquid nitrogen reservoir with liquid nitrogen and prepare system for storage of the vitrified specimens.

2. Label the dish(es) and carrier with the necessary information.

3. Prepare a dish by aseptically dispensing 500 µL of 510(k) cleared SAGE Vitrification Kit and 2 x 250 µL of VS (see Figure 2).

4. Remove the culture dish containing the sample(s) from the incubator and check their quality.

5. Carefully transfer the sample(s) with a minimal volume of culture medium to the ES and start the timer. Allow the specimen(s) to equilibrate for 5 to 15 minutes. The specimen(s) will shrink and then gradually re-expand to original size, indicating that equilibration is complete.

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7. After equilibration in ES is complete, insert one ES into the transfer pipette and transfer the specimen(s) with minimal volume from the ES into VS and leave for a maximum of 30 seconds.

8. Quickly, transfer the sample(s) from VS1 to the center of the second drop of VS2 and leave for a maximum of 30 seconds.

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