



Instructions for Use SPERM WASH MEDIUM

For in vitro sperm washing and isolation procedures
Cat # 2003 / 2005 / 2005-5
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DESCRIPTION

InVitroCare® SPERM WASH MEDIUM is a HEPES-buffered HTF (Human Tubal Fluid) culture medium for all sperm preparation prior to fertilization. InVitroCare® SPERM WASH MEDIUM uses a combined sodium bicarbonate/HEPES buffering system, which does not require the use of a CO₂ incubator. It is formulated with EDTA and a stabilized form of glutamine.

COMPOSITION

Sodium Chloride
Potassium Chloride
Magnesium Sulfate, Heptahydrate
Potassium Phosphate, Monobasic, Anhydrous
Calcium Chloride, Dihydrate
Sodium Bicarbonate
Glucose, D- (+)
Sodium Pyruvate
Sodium Lactate
Alanyl Glutamine
EDTA, Tetra-Sodium Salt
Gentamicin
Phenol Red
HEPES, Sodium Salt
Human Serum Albumin

INTENDED USE

InVitroCare® SPERM WASH MEDIUM is for in vitro sperm washing and isolation procedures, which do not require CO₂ incubation.

PROTEIN SUPPLEMENTATION

InVitroCare® SPERM WASH MEDIUM contains 5mg/ml Human Serum Albumin. All donors used to obtain Human Albumin were individually tested and found to be non-reactive for Hepatitis B Surface Antigen (HBsAg), Hepatitis C virus (HCV), and antibodies to Human Immunodeficiency Virus (HIV) using approved testing methods. The Human Albumin used in the preparation of this product has been heated at 60°C for ten hours.

STORAGE & CONSERVATION

Store unopened bottles at 2-8°C. Do not freeze or expose to temperatures greater than 39°C. InVitroCare® HTF HEPES should be tightly capped when used in a CO₂ incubator to avoid pH drift. InVitroCare® SPERM WASH MEDIUM should be used within 8 weeks of opening when stored at 2-8°C.

INSTRUCTIONS FOR USE

InVitroCare® SPERM WASH MEDIUM and semen should be pre-warmed at 37°C prior to use. Place 1.5 ml of warm InVitroCare® SPERM WASH MEDIUM in a sterile round-bottom culture tube. Using a 3cc syringe with a 1.5", 21-gauge needle, gently place up to 1 ml of liquefied semen under the medium into the bottom of the tube and cap the tube. (If the semen sample is greater than 1 ml, use multiple tubes.) Place the tubes in an incubator or water bath at an angle of 30-45° and incubate for 1 hour. If a CO₂ incubator is used, make sure the tubes are tightly capped; if bicarbonate-buffered medium is used, the cap should be loosely in place. Using a pipette or syringe, carefully remove the upper 1.0 to 1.2 ml of medium down to the interface between the medium and semen. (Combine the overlays from several tubes if more than 1 ml of semen was processed.) Place the combined overlays into a sterile, 15ml conical centrifuge tube. Add additional InVitroCare® SPERM WASH MEDIUM to make a total volume of 3 ml in the centrifuge tube. Centrifuge at 500 x g for 5 minutes. Carefully remove the supernatant and resuspend the sperm pellet in a suitable volume of appropriate medium. (e.g., for IUI, use 0.4 ml of InVitroCare® SPERM WASH MEDIUM; for IVF, use IVC-TWO™ [bicarbonate-buffered medium], diluting the sperm to an appropriate volume.)

Each laboratory should consult its own laboratory protocols for which medium to use for each procedure and details on the use of this product.

PRECAUTIONS & WARNINGS

InVitroCare® SPERM WASH MEDIUM is intended to be used by reproductive specialists and staff trained in assisted reproductive procedures.

To avoid contamination, handle using aseptic techniques and discard any excess medium remaining in the bottle after the procedure is completed.

Do not use any bottle of InVitroCare® SPERM WASH MEDIUM that shows evidence of damage, particulate matter, cloudiness, or is not reddish orange in color. Discard the product in accordance with applicable regulations. InVitroCare® SPERM WASH MEDIUM contains the antibiotic Gentamicin Sulfate. Appropriate precautions should be taken by the physician or medical personnel to ensure that the patient is not sensitized to this antibiotic (based on patient history). This could lead to an allergic reaction.

For further questions regarding the safety and performance, please contact InVitroCare Inc for customer or technical support.

CONTRAINDICATIONS

Product contains Gentamicin Sulfate. Appropriate precautions should be taken to ensure that the patient is not sensitized to this antibiotic.