

SpermWash®

PRODUCT INFORMATION

SpermWash® medium

Catalogue no.	
SPW-0050	50 ml
SPW-0100	100 ml
SPW-0250	250 ml
SPW-0500	500 ml

Application

SpermWash® medium is used for semen separation by swim up for IUI or IVF, to wash the spermatozoa and/or for diluting stock solution of silica-based density-gradients.

Composition

SpermWash® medium is composed of Earle's balanced salt solution (EBSS) including HSA, pyruvate, Hepes, Phenol red, sodium-bicarbonate and Gentamicin (10µg/ml).

Quality Control

- pH: 7.4 ± 0.2
- Osmolality: 285 ± 10 mOsm/kg
- Endotoxin: < 0.1 EU/ml
- Sterility: SAL 10⁻³
- Sperm survival test

Download certificate of analysis on www.cryosinternational.com

Shelf Life

18 months from production date. Store refrigerated (2°- 8° C). Avoid freezing and exposure to light.

Sterility

The medium is manufactured under sterile conditions and sterility is ensured by testing each batch. Sterility tests verify the absence of viable microorganisms (bacteria, yeast and fungi).

Packages

The medium is supplied sterile filtered in pharmaceutical grade borosilicate glass bottles with Teflon-coated rubber stoppers and tamper proof seals.

(Instructions for use on back page)

SpermWash® kit

Catalogue no.	
SPWKIT3	Three units
CULTURA	small incubator

SpermWash® kit is a simple, easy and safe system for intra-ampoule swim-up without the need of CO₂ incubation and centrifugation.
All necessary equipment is delivered within the packages including instructions.



Vesterbro Torv 1-3,5 • 8000 Aarhus C • Denmark
Phone (+45) 70 25 00 21 • Fax (+45) 70 14 14 74
e-mail: info@cryosinternational.com
www.cryosinternational.com

Distributor:

SpermWash®

Instructions for use

Before use the SpermWash® medium should be preheated to room temperature. Control the medium: if the colour is not red and clear it must not be used.

Remove the plastic cap from the bottle and wipe the rubber membrane with 70% alcohol. Aspirate the medium with a sterile needle/ syringe. Alternatively you can remove the whole aluminium cap and aspirate the medium with a pipette under sterile conditions.

Swim-up:

- Place 2 ml of SpermWash® medium in a round bottom tube. The tube should have a diameter of about 10-15 mm (use for instance Nunc 348097).
- When the ejaculate has liquefied for 15-30 minutes, and following analysis, withdraw approx. 2 ml of the semen into a sterile pipette (Pasteur pipette) or a sterile needle/syringe and expel any air bubbles. Hold the tube vertically and insert the pipette/needle all the way to the bottom of the tube. The semen is carefully layered under the medium at the bottom of the tube. **AVOID MIXING THE LAYERS!**
- The pipette/syringe is gently removed along the inner side of the tube in order to avoid semen in the media. Discard the pipette/needle/syringe.
- Place the tube carefully in the incubator at 37° C. Optimally, the tube should be placed in a 45° angle in order to maximise the surface between the semen and the medium. The tube must remain in the incubator for at least one hour (maximum 8 hours).
- After incubation, the tube is carefully removed from the incubator and placed in an upright position. With a sterile pipette or syringe/needle carefully aspirate 0.5-1.5 ml of the top layer (the SpermWash® medium).
- The SpermWash® medium in the syringe/pipette now contains the selected motile spermatozoa ready to inseminate.

The sperm must not be cooled after preparation. Keep the syringe in the incubator until insemination.

- **NB:** If the ejaculate does not liquefy properly, it can happen that the semen from the bottom will “jump” up through the medium into the needle when aspirating the top layer. In this case the semen from the bottom is aspirated and discarded so that the SpermWash® medium is left in the tube. Use another needle/syringe to aspirate the medium with the purified spermatozoa.

Wash (centrifugation):







In case of oligospermia (low concentration of spermatozoa) concentrating of the spermatozoa is recommended. A wash can also be made after swim-up and after gradient centrifugation.

- Add SpermWash® medium 1:1 to the semen in a conical, sterile centrifuge tube (e.g. Nunc 366079) and centrifuge the preparation at 300 g for 10 min.
- Carefully aspirate the supernatant and leave the sperm pellet with about 0.5 ml of the medium in the bottom of the tube. Add about 1.5 ml SpermWash® medium to the pellet.

Dilution for gradients:

- Please see our SpermFilter® - brochure.

Graphical symbols used on the labels are in accordance with the European Standard for labelling of medical devices (EN 980:2003).

SYMBOL	MEANING
	Catalogue number
	Batch code
	Use by (expire date)
	Temperature limitations (store at 2° - 8° C)
	Sterile medical device processed using aseptic technique (sterile filtration)
	Consult instructions for use