

0606-04

Sperm Preparation Medium

Product No.:

1069

1070

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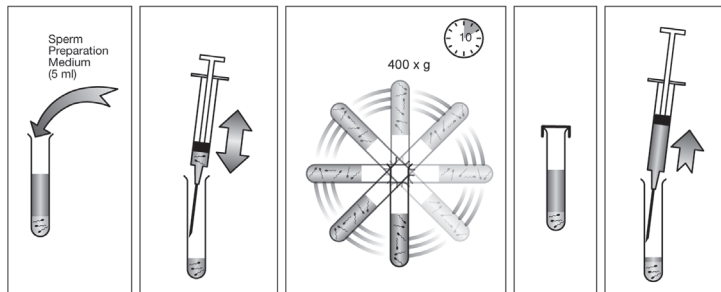
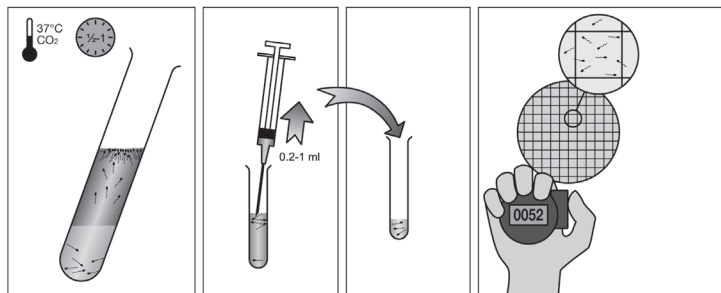
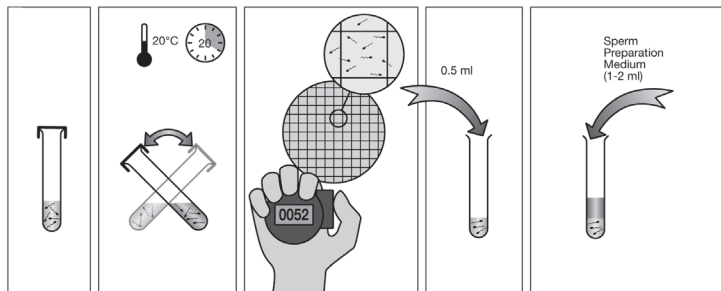
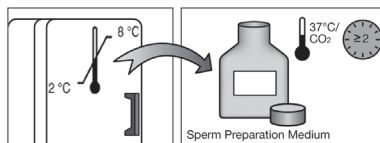
Distributor: ORIGIO AUSTRALASIA Pty Ltd

origio MEDICULT
MEDIA

Symbol:



Discard excess (unused) media following warming.



Sperm Preparation Medium

Intended use

Sperm Preparation Medium is for sperm washing and isolation of motile viable spermatozoa either by the swim-up method or by the SupraSperm® density gradient method (REF 1091/1092/1097)

This product is for IVF treatment of women, whether the cause of infertility is male or female. The product should only be used by professionals trained in IVF treatment.

Composition

Synthetic Serum Replacement (SSR)*
(USA: ART Supplement)

* Contains Recombinant Human Insulin

Human serum albumin (HSA)

Glucose

Sodium pyruvate

Physiological salts

Sodium bicarbonate

HEPES

Gentamicin sulphate 10µg/ml

Phenol Red (not Product No. 1069)

Quality control testing

Sterility tested (Ph.Eur., USP)

Osmolality tested (Ph.Eur., USP)

pH tested (Ph.Eur., USP)

Endotoxin tested ≤ 0.1 EU/ml (Ph.Eur., USP)

Sperm Survival Test $\geq 80\%$

Note: The results of each batch are stated on a Certificate of Analysis, which is available on www.origio.com.

Storage instructions and stability

The products are aseptically processed and supplied sterile.

Store in original container at 2-8°C,

protected from light.

When stored as directed by the manufacturer the product is stable until the expiry date shown on the vial label. Do not freeze.

The product is provided in vials intended for single use.

Excess (unused) media should be discarded.

Precautions and warnings

Do not use the product if:

1. Product packaging appears damaged or if the seal is broken.
2. Expiry date has been exceeded.

Caution: All blood products should be treated as potentially infectious. Source material from which this product was derived was found negative when tested for antibodies to HIV, HCV, and non-reactive to HBsAg, HCV RNA and HIV-1 RNA. No known test methods can offer assurance that products derived from human blood will not transmit infectious agents.

The potential risk of reproductive or developmental toxicity due to the use of IVF media has not been determined and is still unknown.

Instructions for use

1. Equilibrate for a minimum of 2 hours in 5-6% CO₂ at 37°C prior to use.
2. Soon after collection the semen sample is thoroughly mixed (i.e. repeated tilting for 20 minutes at room temperature). If the sample does not liquefy, you may need to pass it through a narrow pipette and/or mix it with a small amount of Sperm Preparation Medium.
3. After the mixing process is completed, sperm concentration and motility should be assessed under the microscope to confirm the method of washing.
4. Carefully layer 0.5-1 ml of the liquefied semen in each tube underneath 1-2 ml pre-equilibrated Sperm Preparation Medium.
5. If possible, place the tubes at an angle to increase the interface between the semen sample and the Sperm Preparation Medium. This is done in order to increase recovery of the most motile spermatozoa as they migrate into the medium. Place the rack in a CO₂ environment at 37°C for 30-60 minutes depending on the semen quality. *The swim-up can also be performed at room temperature, in which case the caps of the tubes are tightened to keep the pH of the medium stable.*
6. After swim-up the upper 0.2-1 ml is aspirated and assessed for sperm concentration and motility. If the sperm count is too low, the next 0.5 ml is included as well. Pool the aspirates together.

Note! During the aspiration care should be taken not to disturb the interface between the semen sample and the media.

7. If further concentration of the aspirated sperm medium is needed, add 5 ml of Sperm Preparation Medium to the pooled aspirates, mix and centrifuge at 400 g for 10 minutes.
8. Aspirate the supernatant and re-suspend the remaining pellet in a suitable volume of pre-equilibrated Sperm Preparation Medium. *When the caps of the tubes are tightened the prepared semen can be kept at room temperature (20-25°C) for up to one hour prior to fertilization. It is recommended that the sperm sample be wrapped in Aluminium foil. Alternatively the unwrapped sperm sample can be stored in a 5-6% CO₂ environment at 37°C.*