

# Sperm Preparation Medium

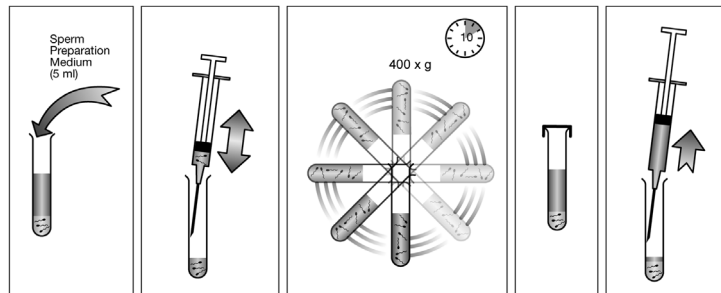
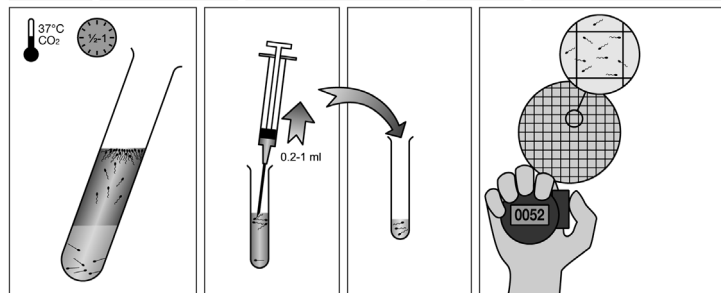
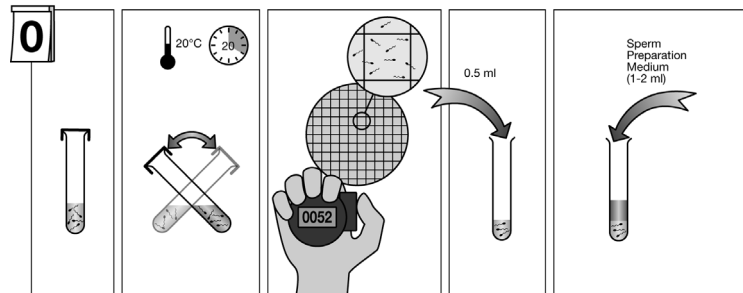
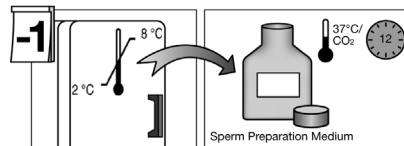
**Product No.:**

1069  
1070

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# Sperm Preparation Medium

## Intended use

Sperm Preparation Medium is for washing of spermatozoa and isolation of motile viable spermatozoa by swim-up method.

## 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 REF 1069)

## Quality control testing

Sterility tested (Ph.Eur., USP)

Osmolality tested (Ph.Eur., USP)

pH tested (Ph.Eur., USP)

Endotoxin tested  $\leq 0.1$  EU/mL (Ph.Eur., USP)

Not Mouse Embryo Assay (MEA) tested

Sperm Survival tested

**Note:** The results of each batch are stated on a Certificate of Analysis, which is available on [www.origio.com](http://www.origio.com).

## Storage instructions and stability

Store in original container at 2-8°C,

protected from light.

Do not freeze.

Discard excess (unused) media following warming.

The product is to be used within 7 days after opening.

When stored as directed by the manufacturer

the product is stable until the expiry date shown on the vial label.

## 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 used to manufacture this product were tested and found non-reactive for HbsAg and negative for Anti-HIV-1/-2, HIV-1, HBV, and HCV. Furthermore source material have been tested for parvovirus B19 and found to be non-elevated. No known test methods can offer assurances that products derived from human blood will not transmit infectious agents.

**Caution:** US federal law restricts this device to sale by or on the order of a physician (Rx only).

## Instructions for use

1. 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.
2. After the mixing process is completed, sperm concentration and motility should be assessed under the microscope to confirm the method of washing.
3. Carefully layer 0.5-1 mL of the liquefied semen in a tube underneath 1-2 mL pre-equilibrated Sperm Preparation Medium.

4. If possible, place the tubs 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 CO<sub>2</sub> 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.*

5. 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.  
During the aspiration care should be taken not to disturb the interface between the semen sample and the media.
6. If further concentration of the aspirated sperm medium is needed, add 5 mL of Sperm Preparation Medium, mix and centrifuge at 400 g for 10 minutes.
7. 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 CO<sub>2</sub> environment at 37°C.*