



## Sperm Processing

# GM501 PVP

GM501 PVP is a ready-to-use media to reduce the motility of sperm making it easier to catch them with an ICSI pipette. It is possible to dilute the solution with HEPES buffered sperm processing media.

- **Ready-to-use**
- **HEPES buffered**
- **Can be diluted with HEPES buffered medium**
- **Reduces the motility of spermatozoa to facilitate sperm pick-up for ICSI**
- **Contains Human Serum Albumin (4.00 g/litre)**
- **Contains pHEur grade Polyvinylpyrrolidone 10 % (100.00 g/litre)**
- **CE marked class III (0344)**



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## Composition

- NaCl, KCl, NaH<sub>2</sub>PO<sub>4</sub>, MgSO<sub>4</sub>, CaCl<sub>2</sub>
- Bicarbonate, HEPES
- Glucose, Lactate, Pyruvate
- Human Serum Albumin, Polyvinylpyrrolidone

## Tested specifications

- pH
- Osmolality
- Sterility
- Endotoxins
- Viscosity
- MEA

## Can be used in combination with

- GM501 Mineral Oil
- GM501 SpermAir
- GM501 SpermActive

## Instructions for use

Warm the PVP solution to 37 °C

**Standard procedure:** Place a small drop of PVP solution (5 µl - 10 µl) in a dish and cover with GM501 Mineral Oil. Add a small volume (1 µl - 2 µl) of washed sperm cells into the centre of the PVP droplet. Wait for a few minutes to allow the sperm cells to migrate to the periphery of the droplet. Select and recover the spermatozoa for injection. Warm the PVP solution and HEPES buffered sperm processing medium to 37 °C.

**Alternative procedure (with extra washing step):** Place a small drop of PVP solution (5 µl - 10 µl) and 1 or more small drops HEPES buffered sperm processing medium in a dish and cover with GM501 Mineral Oil. Add a small volume (1 µl - 2 µl) of washed sperm cells into the centre of the PVP droplet. Wait for a few minutes to allow the sperm cells to migrate to the periphery of the droplet. Select the spermatozoa for injection and nick (break) the tail of the spermatozoon with the tip of the pipette. Transfer the spermatozoon into one of the HEPES buffered sperm processing medium droplets and wash by transferring the sperm cell in and out of the sperm processing medium several times. Aspirate the sperm cell into the pipette and use for ICSI procedure.

Order codes	Size	Storage	Shelf life*
FGY4PVP0001	1 x 1 ml	2 - 8 °C	9 months
FGY4PVP0001-5	5 x 0.2 ml	2 - 8 °C	9 months

\* from time of manufacture

Gi112/V4

### Planer Limited

110 Windmill Road, Sunbury-On-Thames  
Middlesex TW16 7HD, United Kingdom  
A Hamilton Thorne Company

Tel: +44 (0)1932 755 000  
enquiries@planer.com  
www.planer.com

### Manufactured by

**Gynemed GmbH & Co. KG**  
Lübecker Straße 9 23738 Lensahn  
Germany

Tel.: +49 (0) 4363 90 32 90  
info@gynemed.de  
www.gynemed.de