

**SYNBIOS® PVP MEDIUM**

PVP MEDIUM CLINICAL GRADE

**GENERAL INFORMATION ON USE**

SYNBIOS® PF PVP Medium Clinical Grade **ready-to-use** formulation is for sperm immobilization prior to intracytoplasmic sperm injection (ICSI). The medium is complete and needs no other additives. PVP Medium is available with and without protein.

**MATERIALS SUPPLIED**

10x0.1mL mL PVP Medium Clinical Grade

**Ref: PM 1010.1** with HSA

**Ref: PM 1010.1.SYN** synthetic without HSA

1 mL PVP Medium Clinical Grade

**Ref: PM 10101** with HSA

**Ref: PM 1101.1.SYN** synthetic without HSA

**MATERIALS REQUIRED BUT NOT SUPPLIED**

Test tubes & culture dishes; Oocyte and embryo handling pipettes; Laminar flow/Biological hoods, Stereo & Inverted Microscopes; Incubators, and other ART Lab equipment. Others include: **SYNBIOS®** culture, sperm; Gamete, Flush, PVP and cell dissociation enzyme such as **SYNBIOS®** Hyaluronidase or **SYNBIOS®** Disperase media

**SPECIFICATIONS AND QUALITY CONTROL**

SYNBIOS® PVP Medium Clinical Grade comes with and without human or animal proteins. It includes PVP, recombinant Hyaluronan carbohydrates, physiological salts, amino acids, vitamins, sodium pyruvate, sodium lactate, HEPES and sodium bicarbonate.

Quality is assured through testing for sterility, pH, osmolality, endotoxin <0.1 EU/mL (USP, PH Eur.) and MEA. A Certificate of Analysis for each batch is available on request or on line at [www.synbiosmedia.com](http://www.synbiosmedia.com).

**STORAGE AND CONSERVATION**

Store product in original package between 2-8° C.

Do not freeze.

**Do not use this product if:**

- **It appears cloudy or shows signs of contamination.**
- **Expired**
- **If seal is broken or in event of damage to packaging.**

**WARNINGS AND PRECAUTIONS**

This product is to be used as directed and only by trained technicians. All human, organic material are potentially infectious. Handle all specimen as if capable of transmitting diseases. Wear protective clothing/PPE. The above media do not contain antibiotics. Work under strict aseptic conditions (laminar flow) to avoid contamination.

**INSTRUCTIONS FOR USE**

Standard Procedure

1. Warm SYNBIOS® PVP Medium Clinical Grade solution to **room temperature**.
2. Place a small drop (5µL-10µL) of PVP solution in center of ICSI dish
3. Place 4 small drops (10µL) of SYNBIOS® Gamete medium around the central PVP droplet in the same ICSI dish
4. Then spread thin the PVP droplet in the center of the ICSI dish and cover with SYNBIOS® mineral oil.
5. Steps 2 to 4 must be completed as fast as possible under 2 to max 3mins to avoid evaporation. This must be done on cold surface without air flow in the laminar flow hood to avoid the PVP drying.
6. Incubate at 37°C for about 20 minutes.
7. Add a small volume (1µL-2µL) of washed sperm into the center of the PVP droplet.
8. Incubate for a few minutes to allow sperm to migrate to the periphery of the droplet.
9. Select the spermatozoa for injection.
10. Proceed with ICSI as per standard procedure

Note: Do not incubate in CO<sub>2</sub> incubator for extended periods of time. SYNBIOS® PVP Medium is HEPES-buffered. Incubation in a CO<sub>2</sub> incubator for extended periods of time will lower the pH. Low pH may be harmful to gametes.

**DISCLAIMER:**

Every effort has been taken to ensure quality of the product. We have no control over the products during transport. Shippers are aware of the cold-chain protocol. Nevertheless product could be damaged for any reason during transport (e.g. inspection by Border Security). End users must ensure products received are in good condition by internal QC/QA prior to use.

Note: US Federal Law restricts this device to sale by or on the order of a physician (Rx only).

Product is produced for Androcryogenics (M)  
Sdn Bhd, Malaysia

[www.synbiosmedia.com](http://www.synbiosmedia.com)

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**SYNBIOS® PVP MEDIUM**

**CLINICAL GRADE**

**20 Years of Research**

**Ensures Optimal Performance**

**SYNBIOS® MEDIA**  
Safety. Performance. Innovation

**GMP-Manufactured**

PVP medium for performing ICSI

**Ready-to-Use** formulation for sperm immobilization prior to ICSI

**Ref: 10x0.1 mL PM1010.1+HSA**

**10x0.1 mL PM1010.1.SYN**

**1 mL PM10101 +HSA**

**1 mL PM10101.SYN**

SYNBIOS® PVP Medium is sterilized by sterile filtration and comes with or without human or animal proteins.