



SAR HEALTHLINE (P) LTD

Polyvinylpyrrolidone (PVP)

For laboratory procedures only; other uses must be qualified by the end user.

Product Description	Catalogue Code	Unit Size
PVP 7% (w/v) in HEPES-HTF	ART-4005-A	6x .5mL

INTENDED USE

Polyvinylpyrrolidone (PVP) of average molecular weight 360,000 has been used for the ICSI procedure to decrease the motility of spermatozoa, prevent their sticking to the injection pipette during the procedure, and to give more control over the flow of fluid in the ICSI needle (Palermo et al. *Fertil Steril.*1993;59:826-835). These features are due primarily to the increased viscosity of the PVP solution

COMPONENTS

PVP with an average molecular weight of 360,000 in HEPES-HTF. Contains 5mg/mL Human Serum Albumin filtered through a sterile 0.2 filter.

STORAGE INSTRUCTIONS AND STABILITY

Store unopened refrigerated at 2-8°C. Warm to incubator (37°C) temperature prior to use. Exposure of the medium to CO₂ should be minimized to avoid pH levels of 7.0 or less. Do not freeze or expose to temperatures greater than 39°C. The product is stable until the expiration date shown on the label or within 30 days of the Date of First Use provided that proper aseptic procedures have been observed by the user:

- A. Remove desired volume of product using aseptic procedures
- B. Once product has been removed from the original container, reseal the container to ensure a tight seal. Write the date the product was first opened on the product label. Do not use product longer than 30 days after opening the container.
- C. Once removed, do not return any volume of product to the original container.
- D. Once the product has been opened, store the sealed container between 2-8°C
- E. Do not use if the product becomes discoloured, cloudy, turbid, or shows any evidence of microbial contamination.

One-cell MEA tested and passed with 80% or greater blastocyst. USP Endotoxin gel clot tested and passed with <1 EU/ml. A Certificate of Analysis is available for this product.

DIRECTIONS FOR USE

A washed sperm preparation can be diluted to 1 to 2 x 10⁶ motile sperm in 0.5 to 1.0mL of QUINN'S® Sperm Washing Medium. This sample is spun at high speed (approx. 1800g for 5 minutes immediately prior to use). The sperm pellet is suspended in the same supernatant in the tube. The sperm preparation for ICSI is then made by adding 1 to 2 μL of the sperm suspension to a 5- to 10- μL drop of PVP solution under oil in the chamber used for ICSI. Volumes of sperm preparation and PVP solution, as well as sperm concentrations, may have to be modified to give optimal final sperm density for ICSI.

Each laboratory should make its own determination of which medium to use for each particular procedure.

Information on specific aspects of IVF and embryo culture is available in our publication “IVF Laboratory Policy and Procedure Manual”.

PRECAUTIONS AND WARNINGS

Do not use medium that show evidence of particulate matter, cloudiness, or is not rose colored.

To avoid problems with contamination, practice aseptic technique and discard minimal amounts of excess medium remaining in the bottle.

This product contains albumin, a derivative of human blood. All donors used in its manufacture were individually tested and found to be nonreactive for hepatitis B surface antigen (HBsAG) and antibodies to hepatitis C virus (HCV) and human immunodeficiency virus (HIV) by approved testing methods. Donors of the source material have been screened for Creutzfeldt-Jakob disease (CJD). Based on effective donor screening and product manufacturing processes, it carries an extremely remote risk for transmission of viral diseases. A theoretical risk for transmission of CJD is also considered extremely remote. No cases of transmission of viral diseases or CJD have ever been identified for albumin.