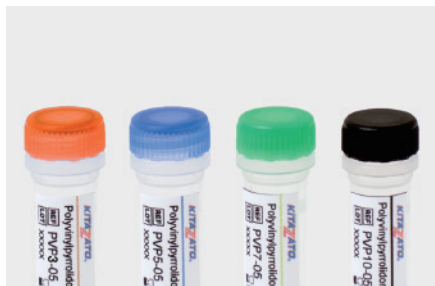


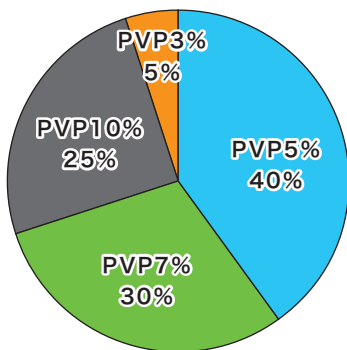
**Micro Manipulation**

# PVP Polyvinylpyrrolidone

- For immobilization of sperm.
- Molecular mass is 360,000.
- No animal derivative is contained.
- Ready to Use. You can choose your preferred concentration.



Cap color indicates the percentage.



Recent trend of PVP concentration

Order Number	Code	Details	Contents
94312	PVP5-05x5	PVP 5%	0.5mLx5
94311	PVP7-05x5	PVP 7%	0.5mLx5
94310	PVP10-05x5	PVP 10%	0.5mLx5
94313	PVP3-05x5	PVP 3%	0.5mLx5

## COMPONENTS

Calcium Chloride / Gentamicin / Glucose / HEPES / Magnesium Sulfate / Polyvinylpyrrolidone / Potassium Chloride / Potassium Phosphate / Recombinant Human Albumin / Sodium Bicarbonate / Sodium Chloride / Sodium Lactate / Sodium Pyruvate

## QUALITY CONTROL

pH 7.2-7.6 / Osmolality 270-295mOsm/kg / Endotoxin<0.25EU/mL / Mouse Embryo Assay 80% / Sterility Test

Storage: 2-8°C / Shelf life: 6 months

# PVP Polyvinylpyrrolidone

## Preparation of ICSI and Immobilization of sperm

1 Take out a culture dish in an incubator and transfer an oocyte into a microdrop on an ICSI dish. The oocytes should be placed on upper part of the microdrop.

2 Aspirate mineral oil with pipette. Wash the Holding pipette with Buffer and Injection pipette with PVP and aspirate each. Holding pipettes should be placed above the drop

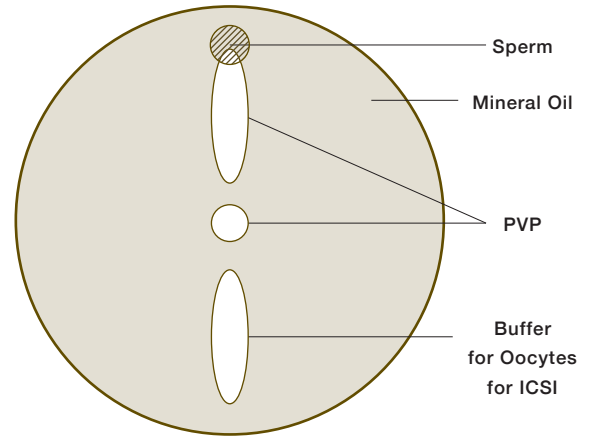
3 Choose motile sperm with good motility and normal morphology from the bottom part of sperm drop.

4 Release the sperm into PVP drop. Sperm should be placed vertically.

5 Hold up the Injection pipette a little, taking an appropriate distance from the sperm drop. This is to avoid raising the sperm with the pipette. Then, press down the tail of the sperm.

6 Slide the injection pipette to the right. Immobilization of sperm is completed if the tail was bent to about 90° angle.

7 Aspirate the sperm from tail to head and proceed to ICSI.



\*\* This text is made with support from Kanagawa Ladies Clinic.