



ADVANCING IVF SOLUTIONS FOR TOMORROW'S FAMILIES



Product Catalog



COMPANY PROFILE

Established in 2015, VitaVidro Biotech is a leading Chinese company specializing in high-quality support for human IVF laboratories worldwide. We are aiming to bring Advancing IVF Solutions for Tomorrow's Families.

Our global operation includes our manufacturing base in Shenzhen, CHINA, and clinical partners all around the world. Our products come with full after-sales support, and we also offer a comprehensive range of IVF laboratory support services.

Among various other products, we offer:

1

A superior vitrification technology that combines the original, highly successful Open Pulled Straw (OPS) method with state-of-the-art manufacturing.

2

The original Well of the Well (WOW) dish for optimal individual embryo culture.

3

A broad scale of media for laboratory embryology, including the optimized, unique single-step medium for uninterrupted embryo culture.

4

The latest development of VitaVidro, the Humdish, a patented innovation that eliminates completely evaporation and osmolality problems during extended culture in vitro.

We are an international organization, and all our products are developed in consultation with globally renowned experts.





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CRYOPRESERVATION SYSTEM

Suitable for cryopreservation of human M II oocytes or embryos at different developmental stages.



VitaVitr[®] Vitrification Kit

DESCRIPTION: HEPES buffered, containing cryoprotectants and human serum albumin.

PURPOSE: Solutions for human oocytes, embryos, and blastocysts vitrification.



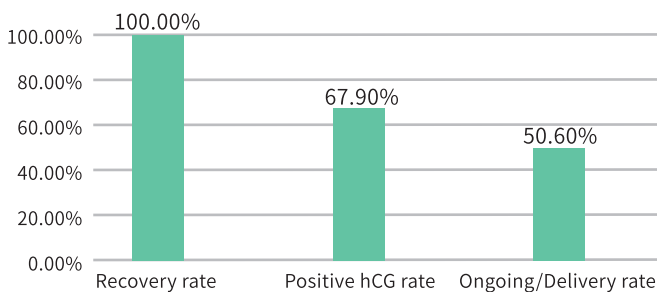
VitaVitr[®] Warming Kit

DESCRIPTION: HEPES buffered, containing cryoprotectants and human serum albumin.

PURPOSE: Solutions for warming the vitrified human oocytes, embryos, and blastocysts.

Independent **international** clinical data

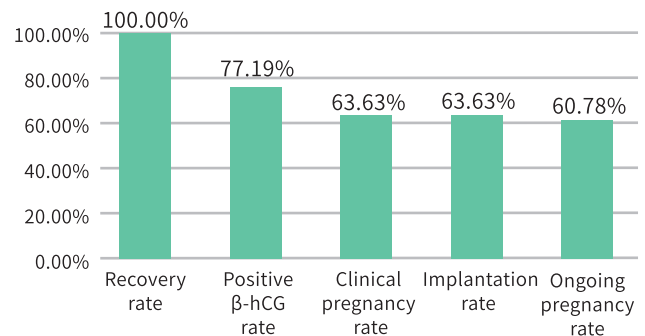
FROZEN EMBRYO TRANSFER CLINICAL OUTCOMES



Note: As of July 2017, this clinical trial has observed 687 frozen embryo transfers. Of these, 417 of the participants were under 35 years old, 125 participants were 35-36 years old, 65 were 37-38 years old, 40 participants were 39-40 years old, and 40 participants were over 40.

Independent **domestic** clinical data

FROZEN BLASTOCYST TRANSFER CLINICAL OUTCOMES



Note: Participants in this clinical trial are aged from 20 to 38. As of June 2020, the test group consists of 125 participants, and data continues to be collected.

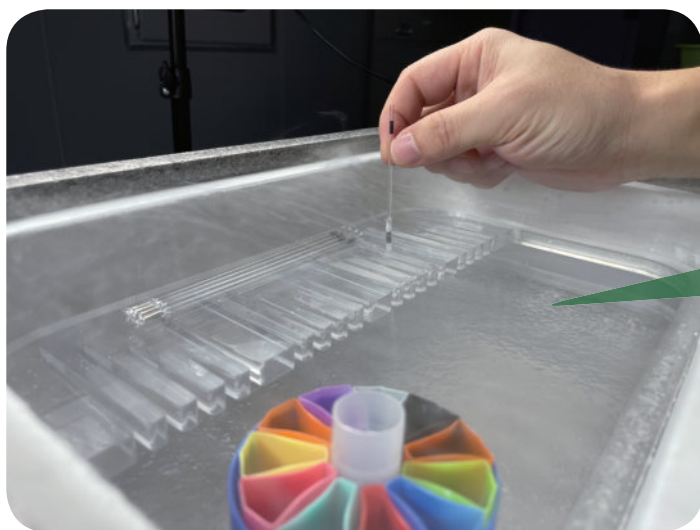
Product Name	Catalog No.	Specifications	FDA 510 (K) Clearance	Storage	Shelf Life
VitaVitr[®] Vitrification Kit	V002001	HHM 1.0mL x 1 HV1 1.0mL x 1 HV2 1.0mL x 1	√	2°C - 8°C	12 Months
	V002004	HHM 2.0mL x 1 HV1 2.0mL x 2 HV2 2.0mL x 2			
VitaVitr[®] Warming Kit	V003001	HW1 1.5mL x 2 HW2 1.0mL x 1 HHM 1.8mL x 1	√	2°C - 8°C	12 Months
	V003004	HW1 2.0mL x 5 HW2 2.0mL x 2 HHM 2.0mL x 3			

Open Pulled Straw

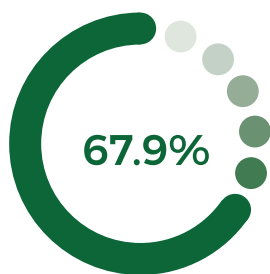
Introduced by Professor Gábor Vajta in 1998 as the first purpose-designed tool for high-rate cooling and warming (cooling rate 22,500°C/min, Vajta et al., 1998).

Combined with a pre-cooled container straw, the OPS was the first technique that resolved the problem of sterile storage in liquid nitrogen (Vajta et al., 1999).

The OPS technique is highly efficient for the cryopreservation of matured oocytes and all preimplantation embryo development stages in humans.



Purpose designed Cooling Box for OPS



(*age<35)

Positive hCG rate



Live birth per cryopreserved embryo transfer rate*

*human test performed by a third-party independent reproduction center. USA

Product Name	Catalog No.	Specifications	FDA 510 (K) Clearance	Shelf Life
VitaVibro® Straw Set	V001001	Red x1 Green x1 Blue x1 Black x1 Transparent x1	√	2 Years

Reference: Open pulled straw (OPS) vitrification: a new way to reduce cryoinjuries of bovine ova and embryos

EMBRYO PRODUCTION SYSTEM

VitaVitro® 1-step Culture Medium

DESCRIPTION: Designed for continuous culture from Day 1 to 5, with no dish or medium change required.

PURPOSE: Solution for human embryo culture from zygote to blastocyst.

- Helps minimize stress for cultured embryos.
- Can support any culture system adopted by individual clinics.
- Works with common incubators or time-lapse systems
- Ready-to-use with HSA

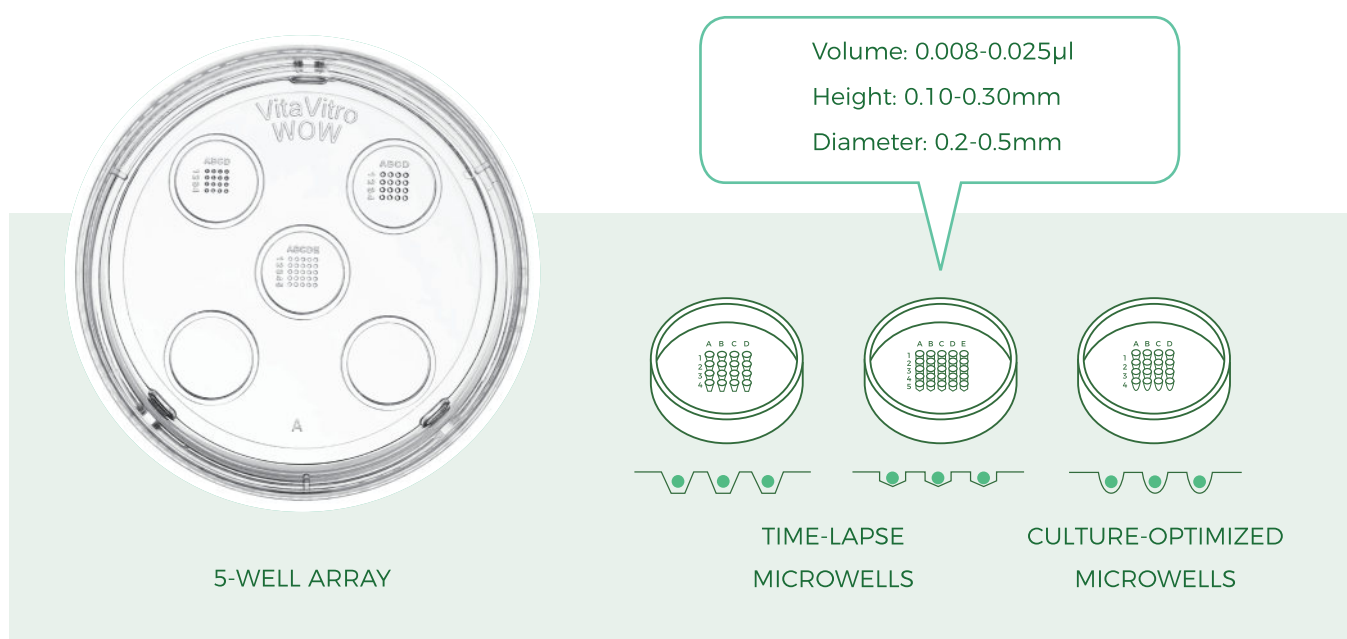


Product Name	Catalog No.	Volume (mL)	FDA 510 (K) Clearance	Storage	Shelf Life
VitaVitro® 1-step Culture Medium (With HSA)	V004010	10	√	2°C - 8°C	6 months
	V004030	30			

Well of the Well (WOW) Culture Dishes

Code: V005001

VitaVitro® WOW (Well-of-Well) Culture Dish is designed for culturing embryos following fertilization to the blastocyst stage. Designed in accordance with the original Well-of-the-Well specifications introduced by world-renowned embryologist Prof. Gábor Vajta in 1999.



OTHER MEDIUM

VitaVidro® Fertilization Medium

DESCRIPTION: Intended for use in assisted reproductive procedures including oocyte incubation and insemination.

PURPOSE: Solution for preparation and handling of human gametes and for in vitro fertilization.

- Contains taurine, an amino acid that helps cause capacitation
- High glucose facilitates gamete metabolism
- Added antioxidants control ROS levels
- Ready-to-use with HSA



Product Name	Catalog No.	Volume (mL)	FDA 510 (K) Clearance	Storage	Shelf Life
VitaVidro® Fertilization Medium	V006030	30	√	2°C - 8°C	7 months
	V006060	60			

VitaVidro® Flushing Buffer Medium

DESCRIPTION: Intended for use during assisted reproductive procedures including follicle flushing and oocyte collection.

PURPOSE: Helps maintain oocyte quality prior to fertilization and maximizes the number of cumulus-oocyte complexes retrieved during follicle aspiration.

- HEPES buffered for use in ambient atmosphere conditions
- Contains antioxidants and amino acids
- Protein-free



Product Name	Catalog No.	Volume (mL)	FDA 510 (K) Clearance	Storage	Shelf Life
VitaVidro® Flushing Buffer Medium	V007060	60	√	2°C - 8°C	12 months
	V007125	125			

VitaVitro® Gamete Buffer Medium

DESCRIPTION: HEPES buffered and designed for use in ambient atmosphere conditions.

PURPOSE: Intended for oocyte and embryo washing and short-term manipulation outside the incubator, including ICSI and oocyte washing.

- Contains antioxidants and nonessential amino acids
- Ready-to-use with HSA



Product Name	Catalog No.	Volume (mL)	FDA 510 (K) Clearance	Storage	Shelf Life
VitaVitro® Gamete Buffer Medium	V008060	60	√	2°C - 8°C	12 months

SPERM PROCESSING

VitaVitro® Sperm Washing Medium

DESCRIPTION: Prepares and washes sperm for use in assisted reproduction procedures. It is also intended for use in intrauterine insemination procedures.

PURPOSE: For sperm preparation.

- HEPES buffered for use in ambient atmosphere conditions
- Contains antioxidants, which reduce damage to sperm DNA caused by reactive oxygen
- Contains taurine to assist sperm capacitation
- EDTA chelates toxic heavy metal ions



Product Name	Catalog No.	Volume (mL)	FDA 510 (K) Clearance	Storage	Shelf Life
VitaVitro® Sperm Washing Medium	V014030	30	√	2°C - 8°C	2 Years
	V014060	60			
	V014125	125			

VitaVitro® Sperm Gradient Medium

DESCRIPTION: Separates motile spermatozoa from the total sperm population and seminal plasma; facilitates sperm capacitation.

PURPOSE: Sperm preparation.

- Colloidal suspension of silica with covalently bonded silanes
- Contains antioxidants to reduce damage of sperm DNA
- Contains taurine to assist sperm capacitation
- Supplemented by EDTA to chelate heavy metal ions



Product Name	Catalog No.	Volume (mL)	FDA 510 (K) Clearance	Storage	Shelf Life
VitaVitro® Sperm Gradient Medium (SG-40, SG-80)	V015012	2*12	√	2°C - 8°C	2 Years
	V015030	2*30			
	V015125	2*125			

DISHES

Humdish

VitaVitro® Humdish is a purpose designed sterile plastic dish for mammalian preimplantation embryo culture, especially for but not restricted to dry incubators or those with inconsistent, uncontrolled humidity levels.

A cost-efficient, safe, universal solution for embryo culture.

SAFE: Minimizing evaporation and stabilising osmolality.

STABLE: Remain high humidity level 96%-98% between Day 0 to Day 7.

The high amount of surrounding water also decreases temperature fluctuations.

Code: V005060301 V005060310



Culture Dish for Assisted Reproduction

INTENDED USE: preparation, storage, manipulation or transfer of human gametes or embryos for in vitro fertilization or other assisted reproductive procedures.

MATERIAL: Medical grade polystyrene

SHELF LIFE: 3 years

STERILITY: Pass (Ph.Eur., USP)

ENDOTOXIN: < 20EU / min

IN VITRO MOUSE EMBRYO ASSAY:

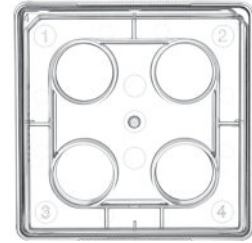
Blastocyst rate ≥ 80%

(1-cell culture in vitro at 96 hours)



Central Well Culture Dish

For embryo transfer or in vitro fertilization



4 Wells Culture Dish

For embryo vitrification / warming or in vitro fertilization



35mm Culture dish

For embryo culture in vitro



60mm Culture dish

For embryo culture in vitro or embryo vitrification operation



90mm Culture dish

For picking oocyte



100mm Culture dish

For picking oocyte

Product Name	Catalog No.	Size (mm)	Specification
35mm Culture Dish	V005035210	35*11	10 pieces/bag
60mm Culture Dish	V005060110	55*15	10 pieces/bag
90mm Culture Dish	V005090110	87*14.5	10 pieces/bag
100mm Culture Dish	V0050100110	89.5*19.5	10 pieces/bag
Central Well Culture Dish	V005060201	52*14	1 piece/bag
	V005060210		10 pieces/bag
4 Wells Culture Dish	V0050401	65.5*12	1 piece/bag
	V0050405		5 pieces/bag

SOLUTIONS FOR IVF LABS WORLDWIDE

Ordering information

Product Name	Catalog No.	Specifications	Storage	Shelf Life
VitaVibro® Straw Set	V001001	Red x1 Green x1 Blue x1 Black x1 Transparent x1	Room Temperature	24 Months
VitaVibro® Vitrification Kit	V002001	HV1 1.0mL x 1 HV2 1.0mL x 1 HHM 1.0mL x 1	2°C - 8°C	12 Months
	V002004	HV1 2.0mL x 2 HV2 2.0mL x 2 HHM 2.0mL x 1		
VitaVibro® Warming Kit	V003001	HHM 1.8mL x 1 HW1 1.5mL x 2 HW2 1.0mL x 1	2°C - 8°C	12 Months
	V003004	HW1 2.0mL x 5 HW2 2.0mL x 2 HHM 2.0mL x 3		
VitaVibro® 1-step Culture Medium (With HSA)	V004005	5 mL	2°C - 8°C	6 Months
	V004010	10 mL		
	V004030	30 mL		
VitaVibro® Fertilization Medium	V006030	30 mL	2°C - 8°C	7 Months
	V006060	60 mL		
VitaVibro® Flushing Buffer Medium	V007060	60 mL	2°C - 8°C	12 Months
	V007125	125 mL		
VitaVibro® Gamete Buffer Medium	V008060	60 mL	2°C - 8°C	12 Months
VitaVibro® Sperm Washing Medium	V014030	30 mL	2°C - 8°C	24 Months
	V014060	60 mL		
	V014125	125 mL		
VitaVibro® Sperm Gradient Medium (SG-40, SG-80)	V015012	2*12 mL	2°C - 8°C	24 Months
	V015030	2*30 mL		
	V015125	2*125 mL		
Well of the Well Culture Dish	V005001	1 piece / box	Room Temperature	24 Months
Humdish	V005060301	1 piece / bag	Room Temperature	24 Months
	V005060310	10 pieces / bag		
Lumen Aspiration Needle	-	-	Room Temperature	24 Months
Embryo Transfer Cather	-	-	Room Temperature	24 Months
IUI Cather	-	-	Room Temperature	24 Months
Micromanipulation Pipette	-	-	Room Temperature	24 Months
IVF Dishes	-	-	Room Temperature	24 Months



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