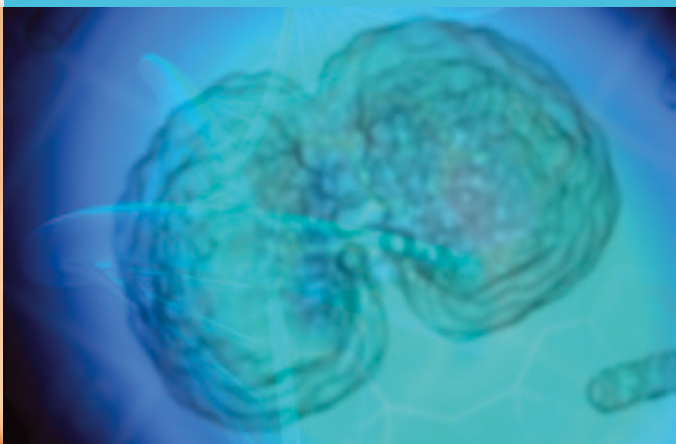




Thermo Scientific Nunc Products  
for InVitro Fertilization



security, safety and reproducibility  
for your valuable  
samples

**nunc**

**Thermo**  
SCIENTIFIC

The criteria for an **IVF product** is that it is reliable and does not offer any threat to the viability of your embryos. Thermo Scientific Nunc IVF products are produced under ISO 13485 to ensure our customers receive a consistent, high quality product with no lot to lot variability.

We do the testing  
so you don't have to



# Certifications & Testing

## Mouse Embryo Assay (MEA)

Using the 1-cell stage mouse embryo toxicity test, our criteria is that more than 80% of the fertilized eggs should develop to a fully expanded blastocyst after 96 hours. The MEA test is a release test and the product will only be sold if it meets this criteria.

## Human Sperm Survival Assay (HSSA)

To pass the HSSA test, the motility of human sperm should be  $\geq 70\%$  after 24 hours of sample preparation. The control sample motility must be at least 50% of the initial swim-up motility for the test to be acceptable. The HSSA test is a release test, and the product will only be sold if it meets this criteria.

## Certificates of Conformance

Testing results are available online for every lot at [www.thermoscientific.com/nunccertificates](http://www.thermoscientific.com/nunccertificates)

For user name and password email:  
[certificate.nunc@thermofisher.com](mailto:certificate.nunc@thermofisher.com)

## Biocompatibility

All materials have successfully passed the USP biological reactivity Class VI-500 test (7 days implant) and ISO 10993 standards for cytotoxicity.

## Sterility

Sterility is obtained through irradiation according to ISO 11137 (sterilization of health care products – requirements for validation and routine control – radiation sterilization).

## Non-Pyrogenic

Batches are tested using a Limulus Amebocyte Lysate (LAL) test. The test is performed on representative samples using the Associates of Cape Cod LAL Detection Kit to quantify gram-negative endotoxins according to our approved test procedure "Use of Limulus Amebocyte Lysate for the Detection and Quantification of Bacterial Endotoxins", based on USP <85>. Products are certified non-pyrogenic at less than 20 endotoxin units/device (0.5 endotoxin units/mL).



# Collection & Preparation

The sensitive nature of IVF calls for extreme care during collection and preparation. Whether working with sperm samples or oocytes, viability is paramount and sample handling is essential. By emphasizing quality, we provide convenient and reliable products for collection and preparation of male and female gametes.

## Nunc Petri Dishes for IVF

- Facilitates gas exchange with vented lid
- Choose the correct size for your application; available in 35mm, 60mm and 90mm sizes
- Certificates of conformity available for every lot
  - Sterile (SAL  $10^{-6}$ )
  - Non-pyrogenic
  - USP Class VI test
  - Release Test (MEA)

## Nunc 11mL Centrifuge Tube for IVF

- Minimize product waste with package size of five tubes per pack
- Quickly identify sample volume with clear graduations
- Compatible with common centrifuge rotors
- Certificates of conformity available for every lot
  - Sterile (SAL  $10^{-6}$ )
  - Non-pyrogenic
  - USP Class VI test
  - Release Test (MEA and HSSA)

## Nunc 14mL Round Bottom Tubes

- Off-gas volatile organic compounds easily with breathable packaging
- Optimized gas exchange with dual position vent/close cap
- Certificates of conformity available for every lot
  - Sterile (SAL  $10^{-6}$ )
  - Non-pyrogenic
  - USP Class VI test
- For Research Use Only



# Embryo Fertilization, Maturation & Transfer

Nunc™ ICSI and Center Well dishes are CE-marked Class IIa as Medical Devices for IVF and were designed specifically for In Vitro Fertilization applications. The flat bottom design optimizes heat transfer so you can maintain correct temperatures during protocols. Improved handling performance makes the dishes safer and easier to grip, move and manipulate your precious eggs and embryos.



## Nunc ICSI Dish for IVF

- Maintain optimal temperature with true flat bottom
- Low profile provides optimal angles during ICSI process
- Clearly see sample with super polished optical center
- Increased safety with easy grip design
- Certificates of conformity available for every lot
  - Sterile (SAL  $10^{-6}$ )
  - Non-pyrogenic
  - USP Class VI test
  - Release Test (MEA)

## Nunc Center Well Dish for IVF

- Perfect angle of reservoir well walls for locating and easy washing of samples
- Maintain optimal temperature with true flat bottom
- Increased safety with easy grip design
- Certificates of conformity available for every lot
  - Sterile (SAL  $10^{-6}$ )
  - Non-pyrogenic
  - USP Class VI test
  - Release Test (MEA)

## Nunc 4 Well Multidish for IVF

- Ensure proper orientation and prevent cross contamination with notched lid and dish
- Prevent scratches on well bottoms and maintain optimal temperature with 0.8mm raised edge
- Certificates of conformity available for every lot
  - Sterile (SAL  $10^{-6}$ )
  - Non-pyrogenic
  - USP Class VI test
  - Release Test (MEA)



# Gamete & Embryo Storage

Optimize your frozen embryo transfer success rate with safe and convenient storage solutions for your precious samples. Cryopreservation offers multiple chances to achieve pregnancy from a single oocyte retrieval cycle.

## Nunc 1.8mL CryoTube for IVF

- Provides extra safety for valuable samples with internally threaded caps and silicone gasket
- Easily mark your samples using large writing area
- Single hand removal of caps when using starfoot rack
- Certificates of conformity available for every lot
- Sterile (SAL  $10^{-6}$ )
- Non-pyrogenic
- USP Class VI test
- Release Test (MEA and HSSA)



# Product specifications & ordering information

CE marked, FDA cleared and MEA tested

## Nunc IVF Dishes

Sterile

Description	ICSI Dish	Center Well Dish
<b>Cat. No.</b>	<b>150265</b>	<b>150260</b>
Surface	Non-treated	Non-treated
Airvent	Yes	Yes
Lid	Yes	Yes
External dimensions, mm	9 x 51	16 x 55
Units per pack/case	1/120	1/120

## Nunc IVF 4 Well Dishes

Sterile

Description	4 Well Dish	4 Well Dish
<b>Cat. No.</b>	<b>144444</b>	<b>179830</b>
Surface	Nuncclon Delta	Non-treated
Culture area, cm <sup>2</sup> /well	1.9	1.9
External dimensions, mm	66 x 66	66 x 66
Units per pack/case	4/120	4/120

## Nunc IVF Petri Dishes

Sterile

Description	Dish 35 x 10	Dish 60 x 15	Dish 90 x 17
<b>Cat. No.</b>	<b>150255</b>	<b>150270</b>	<b>150360</b>
Surface	Non-treated	Non-treated	Non-treated
Airvent	Yes	Yes	Yes
Culture area, cm <sup>2</sup> /well	8.8	21.5	56.7
External dimensions, mm	35 x 11	54 x 14	88 x 15
Units per pack/case	10/500	10/400	10/150

CE marked and MEA tested

## Nunc IVF Tubes\*

Sterile

Description	11mL centrifuge tube	1.8mL Starfoot CryoTube
<b>Cat. No.</b>	<b>137860</b>	<b>177280</b>
Cap type	Plug	Internal thread
Material tube/cap	Polystyrene/ Polypropylene	Polypropylene/ Polypropylene
Max. RCF tested	3000	-
Bottom shape	Conical	Round
External dimensions, mm	16 x 110	12.5 x 49
Units per pack/case	5/300	-
Units per pack/carton/case	-	50/450/1800

MEA tested - For research use only

## Nunc 14mL Round Bottom Tubes

Description	14mL round bottom tube
<b>Cat. No.</b>	<b>150268</b>
Material tube/cap	Polystyrene / Polypropylene
Cap type	Dual function closure
Airvent	Vent/close
Suggested working vol., mL	14
Units per pack/case	10/500

\* Not available for sale in US



# Other Thermo Scientific products to consider



Thermo Scientific  
Biological Safety  
Cabinets



Thermo Scientific  
Incubators



Thermo Scientific  
Ultra Low Temperature  
Freezers



Thermo Scientific  
WellWash Versa



Thermo Scientific  
Centrifuges and Rotors

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[www.thermoscientific.com/ivf](http://www.thermoscientific.com/ivf)

**Asia:** China Toll-free: 800-810-5118 or 400-650-5118; India: +91 22 6716 2200, India Toll-free: 1 800 22 8374;  
Japan: +81 3 5826 1616; Other Asian countries: 65 68729717

**Europe:** Austria: +43 1 801 40 0; Belgium: +32 53 73 42 41; Denmark: +45 4631 2000; France: +33 2 2803 2180;  
Germany: +49 6184 90 6940, Germany Toll-free: 08001-536 376; Italy: +39 02 02 95059 or 434-254-375;  
Netherlands: +31 76 571 4440; Nordic/Baltic countries: +358 9 329 100; Russia/CIS: +7 (812) 703 42 15;  
Spain/Portugal: +34 93 223 09 18; Switzerland: +41 44 454 12 12; UK/Ireland: +44 870 609 9203

**North America:** USA/Canada +1 585 586 8800; USA Toll-free: 800 625 4327

**South America:** USA sales support: +1 585 899 7198

**Countries not listed:** +49 6184 90 6940 or +33 2 2803 2180

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