

thermo scientific

# Nunc products for *in vitro* fertilization

Security, safety, and reproducibility  
for your valuable samples

**ThermoFisher**  
SCIENTIFIC

# Certifications and testing

## We do the testing so you don't have to

Thermo Scientific™ Nunc™ IVF products are produced under ISO 13485 guidelines to help ensure our customers receive a consistent, high-quality product.

## Nunc IVF products are FDA-cleared and CE-marked Class II\* for IVF use

Other certifications and testing include:

### Mouse embryo assay (MEA)

Using the one-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 HSSA test is a release test, and the product will only be sold if it meets this criteria.

### Certificates of conformance

Every single lot of our IVF products is tested vigorously to ensure that all products are safe. Testing results are available online at [thermofisher.com/nunccertificates](https://thermofisher.com/nunccertificates).

### Biocompatible

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

### Sterile

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

### Nonpyrogenic

Batches are tested using a limulus amoebocyte 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 Amoebocyte Lysate for the Detection and Quantification of Bacterial Endotoxins,” based on USP <85>. Products are considered nonpyrogenic at less than 20 endotoxin units/device (0.5 EU/mL).



\* In Europe CE-marked Class IIa

# Collection and 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 proper sample handling is essential. By emphasizing quality, we provide convenient and reliable products for collection and preparation of male and female gametes.

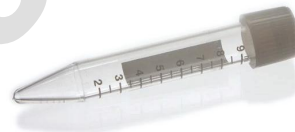
## Thermo Scientific™ Nunc™ Petri Dishes for IVF

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



## Thermo Scientific™ Nunc™ 11 mL 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  $10^{-6}$ )
- Nonpyrogenic
- USP Class VI test
- Release tests (MEA and HSSA)



# Embryo fertilization, maturation, and transfer

Thermo Scientific™ 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 dish handling features make it safer and easier to grip, move, and manipulate your precious eggs and embryos.

## Nunc ICSI Dish for IVF

- Help maintain optimal temperature with true flat bottom
- Low profile provides optimal angles during the intracytoplasmic sperm injection (ICSI) process
- Increased safety with easy grip design
- Certificates of conformity available for every lot
  - Sterile (SAL  $10^{-6}$ )
  - Nonpyrogenic
  - Release tests (MEA and HSSA)



## Nunc Center Well Dish for IVF

- Ideal angle of reservoir well walls for locating and easy washing of samples
- Help maintain optimal temperature with true flat bottom
- Increased safety with easy grip design
- Certificates of conformity available for every lot
  - Sterile (SAL  $10^{-6}$ )
  - Nonpyrogenic
  - Release tests (MEA and HSSA)



## Nunc 4-Well Dish for IVF

- Help ensure proper orientation and prevent cross-contamination with notched lid and dish
- Help prevent scratches on well bottoms and maintain optimal temperature with 0.8 mm raised edge
- Certificates of conformity available for every lot
  - Sterile (SAL  $10^{-6}$ )
  - Nonpyrogenic
  - Release tests (MEA and HSSA)



Product specifications and ordering information

CE-marked			
Nunc IVF Dishes (sterile)			
Description	ICSI dish	Center well dish	
Cat. No.	150265	150260	
Surface	Nontreated	Nontreated	
Air vent	Yes	Yes	
External dimensions, mm	9 x 51	16 x 55	
Units per pack/case	3/120	5/120	
Nunc IVF 4-Well Dishes (sterile)			
Description	4-well dish	4-well dish	
Cat. No.	144444	179830	
Surface	Nunclon™ Delta surface	Nontreated	
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	35 x 10 mm dish	60 x 15 mm dish	90 x 17 mm dish
Cat. No.	150255	150270	150360
Surface	Nontreated	Nontreated	Nontreated
Air vent	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
Nunc IVF Tubes* (sterile)			
Description	11 mL centrifuge tube		
Cat. No.	137860		
Cap type	Plug		
Material: tube/cap	Polystyrene/polypropylene		
Max. RCF tested	3,000 x g		
Bottom shape	Conical		
External dimensions, mm	16 x 110		
Units per pack/case	5/300		

\* Not available for sale in the US, therefore not FDA-cleared.

For more information, go to [thermofisher.com/ivf](https://thermofisher.com/ivf)

## Collection and preparation

For research use only

Perform critical cellular applications with our round-bottom tubes, facilitated by the dual position vent/close cap for optimized gas exchange.

### Thermo Scientific™ Nunc™ 14 mL Centrifuge Tube

- Off-gas volatile organic compounds with breathable packaging
- Optimized gas exchange with dual position vent/close cap
- Certificates of conformity available for every lot
- Sterile (SAL 10<sup>-6</sup>)
- Nonpyrogenic
- USP Class VI test
- MEA tested—For Research Use Only



### Product specifications and ordering information

#### For Research Use Only

#### Nunc 14 mL Round Bottom Tubes

Description	Round bottom tube	
Cat. No.	150268	150285*
Material: tube/cap	Polystyrene/polypropylene	Polystyrene/polyethylene
Cap type	Dual-function closure	Dual-function closure
Max. RCF tested	6000 x g	6000 x g
Air vent	Dual-function closure	Dual-function closure
Suggested working volume	14 mL	14 mL
Units per pack/case	10/500	1/400

\* Only available for sale in Asia-Pacific countries

For more information, go to [thermofisher.com/ivf](https://thermofisher.com/ivf)