



## Nunc products for *in vitro* fertilization

Security, safety, and reproducibility  
for your valuable samples

# 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 intended for in vitro fertilization applications

Other certifications and testing include:

### Mouse embryo assay (MEA)

Using the one-cell stage mouse embryo toxicity test, our criterion 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 criterion.

### 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 criterion.

### Certificates of conformance

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



# 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™ IVF Dishes

- 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 (SAL 10<sup>-6</sup>)
  - Nonpyrogenic
  - Release tests (MEA and HSSA)
  - USP Class VI test
- CE marked (Notified Body 2460)



# Embryo fertilization, maturation, and transfer

Thermo Scientific™ Nunc™ ICSI, 4 Well and Center Well dishes 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

## Nunc IVF ICSI Dish

- 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<sup>-6</sup>)
  - Nonpyrogenic
  - Release tests (MEA and HSSA)
- CE marked (Notified Body 2797)

## Nunc IVF Center Well Dish

- 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<sup>-6</sup>)
  - Nonpyrogenic
  - Release test (MEA)
- CE marked (Notified Body 2797)

## Nunc IVF Multi Dish 4 Well

- 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<sup>-6</sup>)
  - Nonpyrogenic
  - Release tests (MEA and HSSA)
- CE marked (Notified Body 2460)



## Product specifications and ordering information

<b>Nunc IVF Dishes (sterile)</b>			
<b>Description</b>	<b>ICSI dish</b>	<b>Center well dish</b>	
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	
<b>Nunc IVF Multi Dish 4 Well (sterile)</b>			
<b>Description</b>	<b>4-well dish</b>	<b>4-well dish</b>	
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	
<b>Nunc IVF Dish (sterile)</b>			
<b>Description</b>	<b>35 x 10 mm dish</b>	<b>60 x 15 mm dish</b>	<b>90 x 17 mm dish</b>
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

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