security, safety and reproducibility
for your valuable
samples
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 ≥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.

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).

Certificates of Conformance
Testing results are available online for every lot at www.thermoscientific.com/nunccertificates

For user name and password email: certificate.nunc@thermofisher.com
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<sup>-6</sup>)
  - 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<sup>-6</sup>)
  - 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<sup>-6</sup>)
  - 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

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

Nunc IVF 4 Well Dishes
Sterile

<table>
<thead>
<tr>
<th>Description</th>
<th>4 Well Dish</th>
<th>4 Well Dish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat. No.</td>
<td>144444</td>
<td>179830</td>
</tr>
<tr>
<td>Surface</td>
<td>NuncIon Delta</td>
<td>Non-treated</td>
</tr>
<tr>
<td>Culture area, cm²/well</td>
<td>1.9</td>
<td>1.9</td>
</tr>
<tr>
<td>External dimensions, mm</td>
<td>66 x 66</td>
<td>66 x 66</td>
</tr>
<tr>
<td>Units per pack/case</td>
<td>4/120</td>
<td>4/120</td>
</tr>
</tbody>
</table>

Nunc IVF Petri Dishes
Sterile

<table>
<thead>
<tr>
<th>Description</th>
<th>Dish 35 x 10</th>
<th>Dish 60 x 15</th>
<th>Dish 90 x 17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat. No.</td>
<td>150255</td>
<td>150270</td>
<td>150360</td>
</tr>
<tr>
<td>Surface</td>
<td>Non-treated</td>
<td>Non-treated</td>
<td>Non-treated</td>
</tr>
<tr>
<td>Airvent</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Culture area, cm²/well</td>
<td>8.8</td>
<td>21.5</td>
<td>56.7</td>
</tr>
<tr>
<td>External dimensions, mm</td>
<td>35 x 11</td>
<td>54 x 14</td>
<td>88 x 15</td>
</tr>
<tr>
<td>Units per pack/case</td>
<td>10/500</td>
<td>10/400</td>
<td>10/150</td>
</tr>
</tbody>
</table>

CE marked and MEA tested

Nunc IVF Tubes*
Sterile

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

MEA tested - For research use only

Nunc 14mL Round Bottom Tubes

<table>
<thead>
<tr>
<th>Description</th>
<th>14mL round bottom tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat. No.</td>
<td>150268</td>
</tr>
<tr>
<td>Material tube/cap</td>
<td>Polystyrene / Polypropylene</td>
</tr>
<tr>
<td>Cap type</td>
<td>Dual function closure</td>
</tr>
<tr>
<td>Airvent</td>
<td>Vent/Close</td>
</tr>
<tr>
<td>Suggested working vol., mL</td>
<td>14</td>
</tr>
<tr>
<td>Units per pack/case</td>
<td>10/500</td>
</tr>
</tbody>
</table>
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

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Germany: +49 6184 90 6940, Germany Toll-free: 08001-536 376; Italy: +39 02 02 95059 or 434-254-375;
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Spain/Portugal: +34 93 230 09 18; Switzerland: +41 44 454 12 12; UK/Ireland: +44 870 609 9203
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