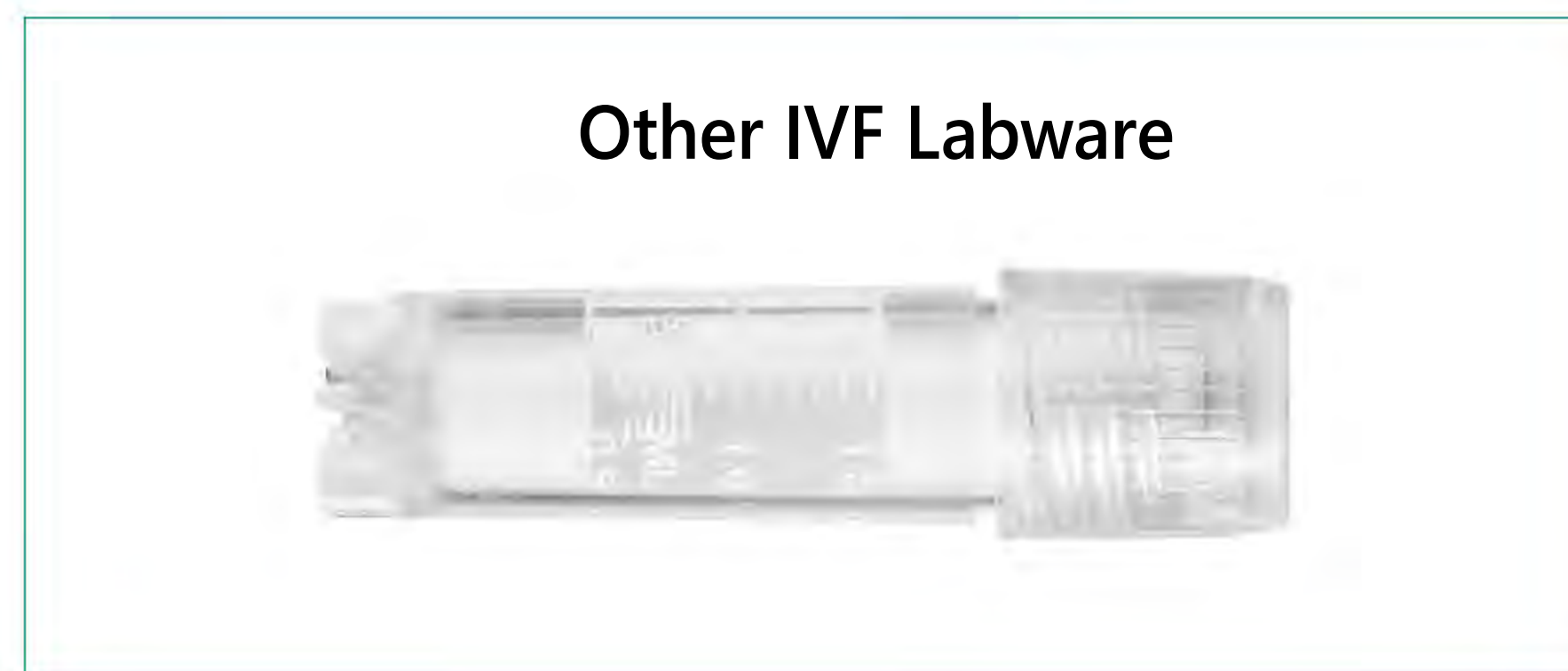
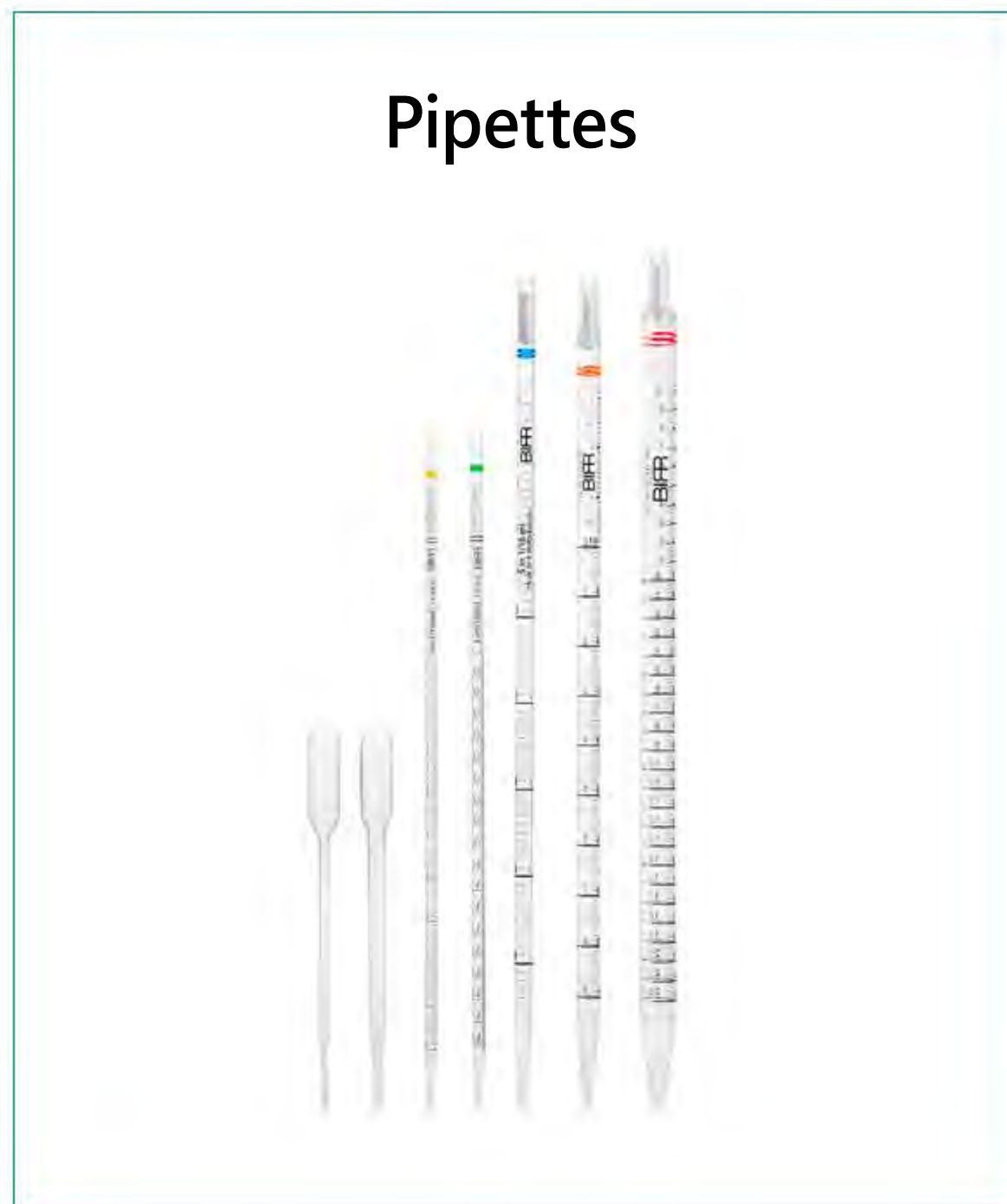
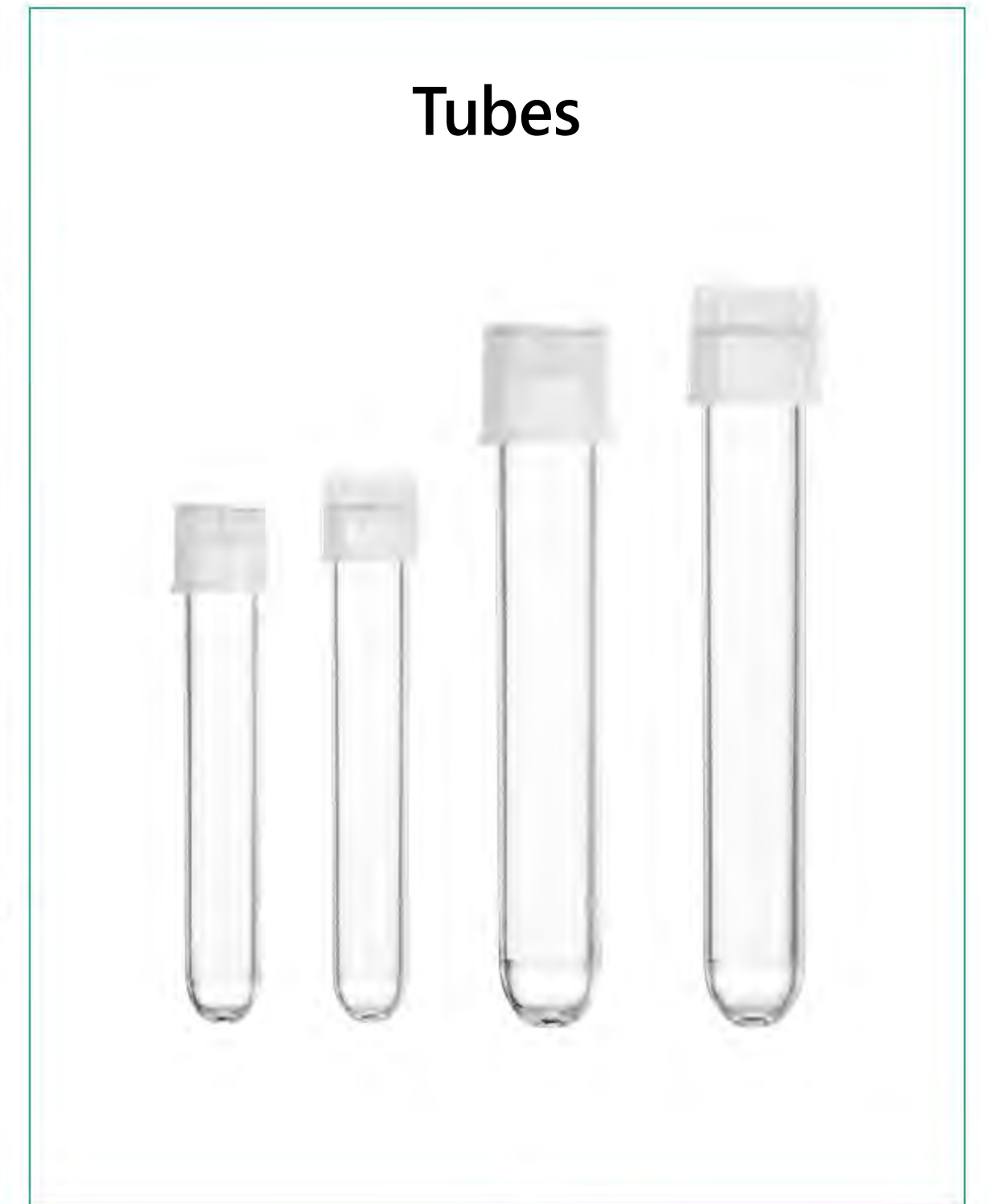
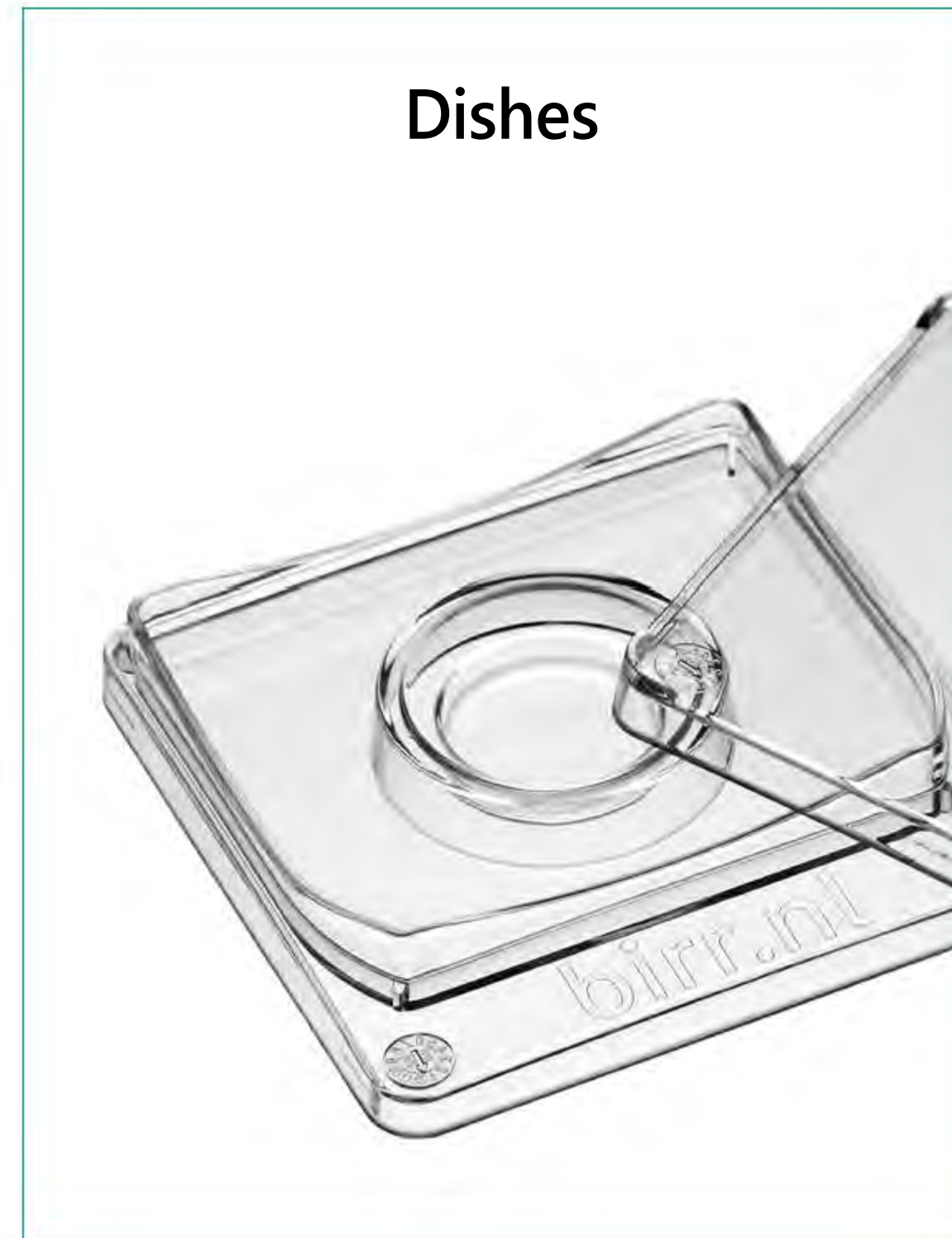


# BIRR Interactive IVF Labware Catalog



About  
BIRR

# BIRR and IVF Labware: it's embryologic! Why?

BIRR has fertility expertise since 1971

All BIRR's IVF Labware has been designed in close collaboration with embryologists

BIRR's IVF labware portfolio is developed and produced in the EU, according to the highest quality standards

All BIRR's IVF Labware is CE Class IIa MDD certified

BIRR offers a complete IVF labware portfolio

BIRR commits to a reliable delivery process

If there's a customer/patient need for new products, BIRR designs it

# BIRR IVF Labware table of content

## BIRRs IVF Labware quality standards

### Dishes

#### Dishes portfolio



#### 5-Well Dish Round Edges



#### Square ICSI Dish



#### Square Center-Well Dish



#### 6-Well Dish



#### 16-Well Dish



#### 4+8-Well Dish



#### Culture Dish 35 mm Time Lapse



#### Culture Dish 35 mm



#### Culture Dish 60 mm



#### Culture Dish 90 mm



#### Center-Well Dish 60 mm



#### ICSI Dish 60 mm



### Tubes

#### Tubes portfolio



#### Round Bottom Tube 5 mL



#### Round Bottom Tube 14 mL



#### Conical Tube 11 mL



#### Conical Tube 15 mL



#### Conical Tube 15 mL



#### Conical Tube 50 mL



### Pipettes

#### Pipettes portfolio



#### Dropping Pipette 1/3 mL



#### Serological Pipette 1/2/5/10/25 mL



### Containers

#### Semen Collection Container 100 mL



#### Semen Collection Container 125 mL



### other labware

#### Microvial 1.5 mL



#### Flask 40/270 mL



About  
BIRR

# BIRR IVF Labware quality testing and certification standards

BIRR IVF Labware is developed and produced according to the highest quality standards. All our qualitative tests are performed in a state-of-the-art laboratory, which strives for continuous improvement on testing reliability and accuracy. This enables BIRR to ensure that labware products are safe and performant.

BIRR IVF labware certification and testing standards	Dishes	Tubes	Containers	Pipettes	Other labware
CE IIa medical device	✓	✓	✓	✓	✓
FDA clearance	✓	✓	✓	✓	✓
ISO 13485:2016 certified	✓	✓	✓	✓	✓
MEA (+) test	✓+	✓	✓	✓	✓
LAL test	✓	✓	✓	✓	✓
SMA test	✓	✓	✓	✓	
Produced in EU	✓	✓	✓	✓	✓

BIRR IVF labware is registered in several countries in Europe, North-America, South-America and Asia. When required, local regulatory registration will be established. For information about specific geographies, please reach out to us.

## BIRR introduces its smART Labware label:

BIRR IVF labware with innovative feature and added value on ease of use or safety versus conventional labware



# BIRR IVF Labware certification standards

BIRR IVF Labware is also certified according to the highest standards.

All BIRR IVF labware products are Medical Devices: they are certified CE Class IIa sterile Medical Devices in accordance with 93/42 EEC Directive. Medical devices (MD) are intended and tested for direct or indirect use with a human body (e.g., in vivo and in vitro).

CE IIa marking indicates that the product meets the high safety, health and environmental requirements set by the European Union. In Europe and other geographies, CE IIa marking is compulsory for products used in IVF treatments.

Different from Medical Devices, in Vitro Diagnostics Devices (IVD) are intended and approved for use in testing of human samples, where the results can assist in clinical diagnosis. Thus IVD-products are for diagnostic purposes only, NOT for clinical use.

# BIRR IVF Labware testing standards

## Why does BIRR have a robust testing program of its IVF labware portfolio?

MEA, LAL and SMA tests are performed to detect whether the materials and processes employed in labware manufacturing affect gametes viability or embryo development. Successful testing ensures undeviating labware performance that doesn't interfere with specimens' biological processes. Lack of product quality assurance through each of these tests may compromise labware consistency, ultimately affecting laboratory and clinical outcomes. BIRR's robust quality assurance program ensures that labware standards are persistently maintained, providing laboratories the stability required for reliable gamete and embryo culture performance.

## Test carried out on each product LOT:

**Mouse Embryo Assay (MEA):** Across the labware portfolio, two different type of MEA tests are performed, the Standard MEA or Extended MEA

- **The Standard MEA** is performed on the labware that has contact time <24 hours with gametes or embryos (e.g., tubes, pipettes). This approach involves the exposure of culture media to the tested labware for 2 hours. This media is then used for incubation of 1-cell mouse embryos (n=21, Test group) until Day 5 of development in a reference dish. In parallel, 1-cell mouse embryos (n=15, Control group) are cultured in the same type of reference culture dish using media that was not exposed to the testing labware. For each group, embryo cleavage is assessed at 24hrs and blastocyst formation is assessed at 96hrs (Day 5 development). A product lot is accepted when testing outcomes show blastocyst formation rate >80% in the Test group.
- **The Extended MEA (MEA+)** is performed on labware that has a contact time >24 hours, done for all dishes. This approach involves continued exposure of 1-cell mouse embryos (n=21, Test group) to the tested labware throughout a 96hrs culture period (Day 5 of development). In parallel, 1-cell mouse embryos (n=15, Control group) are cultured in the same type of reference culture dish using media that was not exposed to the testing labware. For each group, embryo cleavage is assessed at 24hrs and blastocyst formation is assessed at 96hrs (Day 5 development). A product lot is accepted when testing outcomes show blastocyst formation rate >80% in the Test group.

**Sperm Motility Assay (SMA) test:** Good quality post-preparation sperm samples are exposed to the testing labware (Experimental group) or left in the reference labware (Control group) for 8 hours. The ratio between sperm motility rate from the Experimental and Control groups determines sperm motility index (SMI). Product lot acceptance threshold is set at SMI >0.75.

**Limulus Amebocyte Lysate (LAL) test:** Presence of bacterial endotoxin lipopolysaccharide (LPS) is tested through LAL test on all labware. Acceptance detection threshold <0.03EU/device.

**Results of quality test are available upon request for each LOT number.**

# IVF Dishes

## Why our IVF Dishes

### Quality

- Class IIa sterile Medical Device in accordance with the 93/42 EEC Directive
- Manufactured by BIRR in EU
- Specifically designed for IVF
- Non-pyrogenic
- MEA+ tested
- Sterility assurance level  $10^{-6}$  (by irradiation)
- IVF dishes are made of medical-grade Polystyrene (PS)

### Benefits

- Raised bottoms (200 micron air layer) to avoid scratches, minimize overheating in case of temperature spikes in the heated stage and provide uniform adherence to the surface
- Scratch protection improves visibility and safety
- Temperature consistency across all dishware suite



### Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

## Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## 5-Well Dish Round Edges

Upgraded

### Article code & Packaging

1130056 packed by 6 / 180 per box

### Testing

MEA+, LAL & SMA per LOT number

### smART characteristics

- Sloped walls of the wells facilitate specimens identification and recall
- Wide well design improves accessibility to the specimen and its manipulation
- Large labelling area accommodating all types of handwriting, ID labels, barcodes and RFID tags
- Clear well identification provided by well numbering 1-5
- Round edges

### Intended use

- Multipurpose dish
- Cell culture (gametes or embryos)
- Oocyte insemination (IVF) and denudation

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## Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## Square ICSI Dish

### Article code & Packaging

1130116 packed by 6 / 180 per box

### Testing

MEA+, LAL & SMA per LOT number

### smART characteristics

- The wide square area increases useable surface and improves access for micromanipulation
- The large surface allows extended customisation of media drops placement within the dish
- Slanted walls and rounded internal corners for improved recall and visualisation of specimens
- Large labelling area accommodating all types of handwriting, ID labels, barcodes and RFID tags

### Intended use

- Multipurpose dish
- Intracytoplasmic Sperm Injection (ICSI)
- Cell culture (gametes or embryos)

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## Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## Square Center-Well Dish

### Article code & Packaging

1130106 packed by 6 / 30x6 per box

### Testing

MEA+, LAL & SMA per LOT number

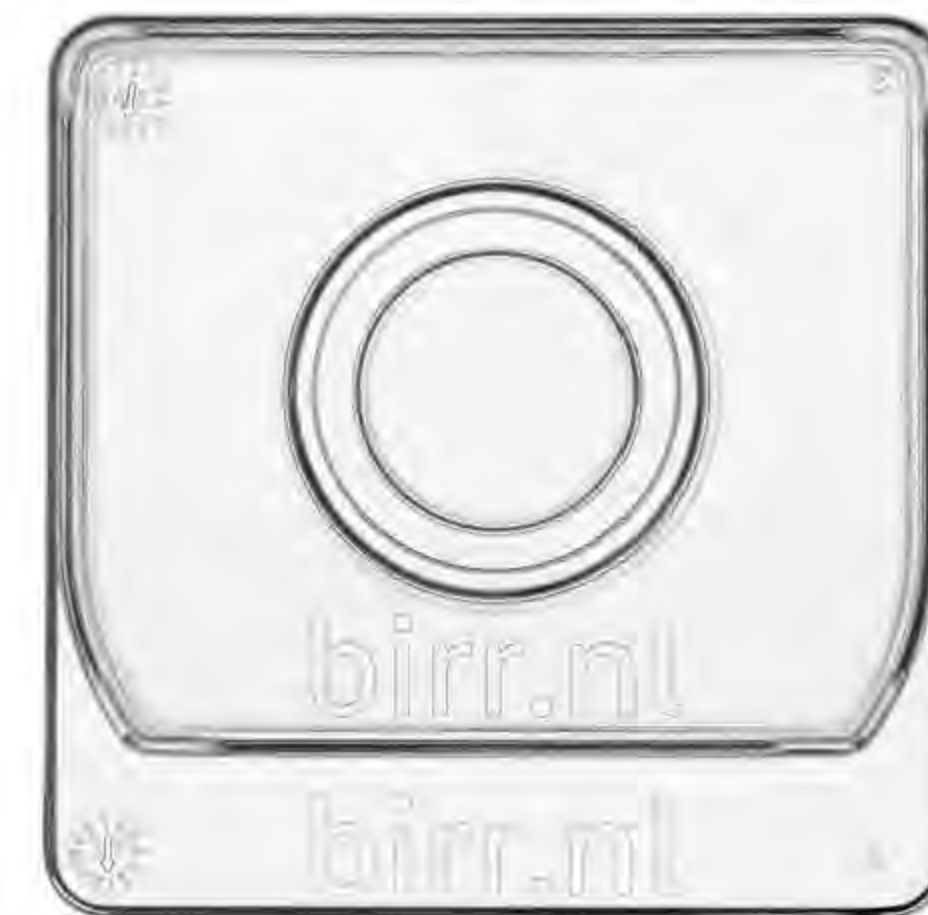
### smART characteristics

- Raised bottom and flat construction avoid undesired spinning of the dish
- Sloped walls of the well facilitate specimens identification and recall
- Large labelling area accommodating all types of handwriting, ID labels, barcodes and RFID tags

### Intended use

- Multipurpose dish
- Embryo transfer
- Cell culture (gametes or embryos)
- Oocyte insemination (IVF) and denudation

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## Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## 6-Well Dish

### Article code & Packaging

113006 packed by 6 / 180 units per box

### Testing

MEA+, LAL & SMA per LOT number

### smART characteristics

- Large labelling area
- Clear embryo identification provided by well-numbering 1-6
- Indents on the outer rim of the dish allow for horizontal stabilisation of the vitrification carrier while loading it

### Intended use

- Gamete and embryo cryopreservation
- Cell culture (oocytes or embryos)
- Oocyte insemination (IVF) and denudation

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## Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## 16-Well Dish

### Article code & Packaging

113016 packed by 6 / 180 units per box

### Testing

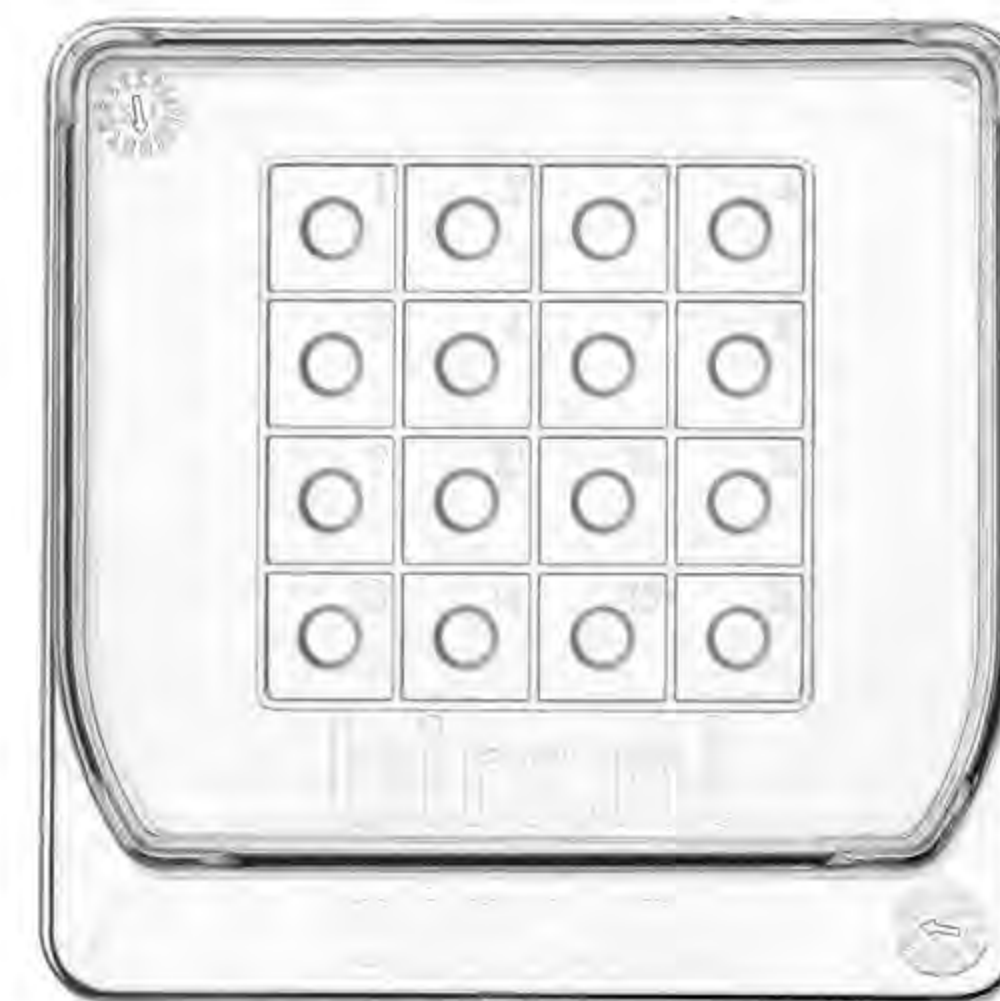
MEA+, LAL & SMA per LOT number

### smART characteristics

- Large labelling area
- Clear embryo identification provided by well-numbering 1-16
- Large working area for better access
- 16 wells increase embryo culture positions and/or number of available wash drops
- Reduced number of dishes per IVF procedure

### Intended use

- Cell culture (gametes or embryos)



# IVF Dishes

## 4+8-Well Dish

Upgraded

### Article code & Packaging

1134+8 packed by 10 / 240 units per box

### Testing

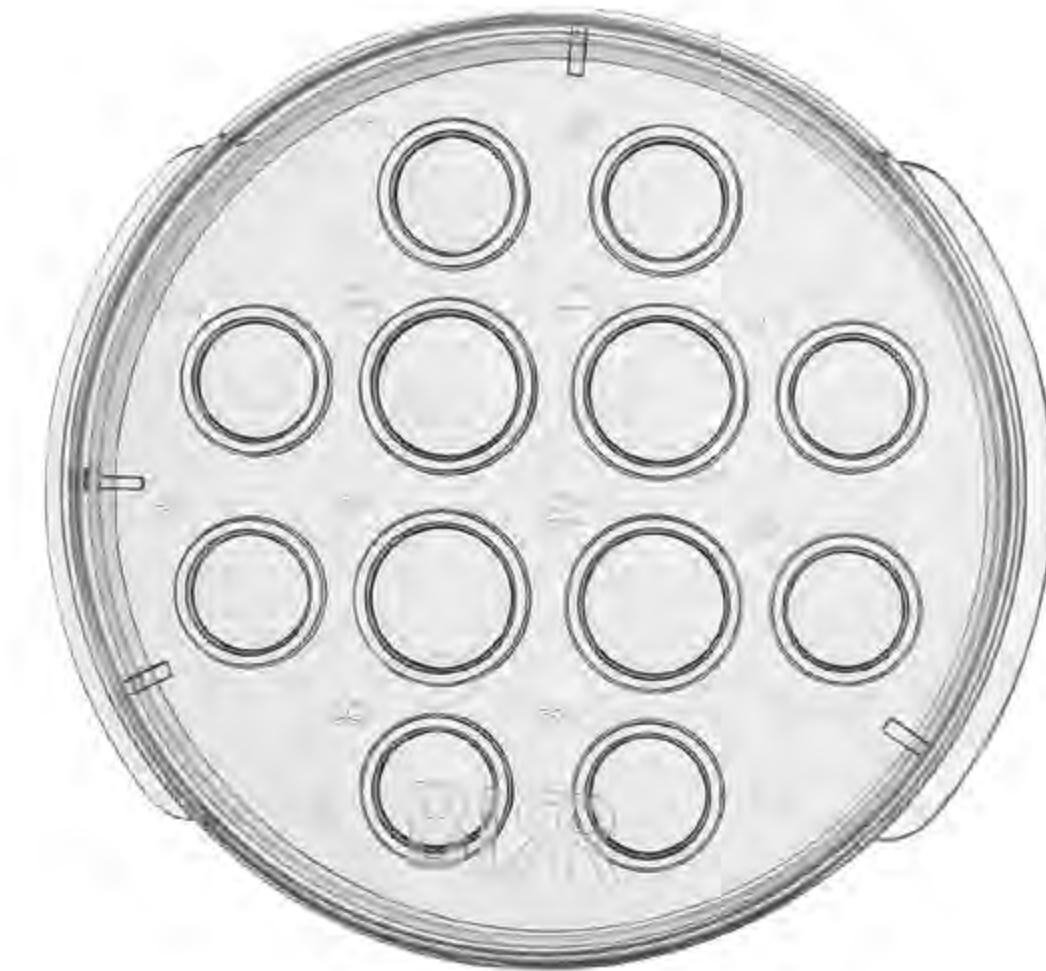
MEA+, LAL & SMA per LOT number

### smART characteristics

- Clear embryo/position identification due to well-numbering 1-8 (8 x 100  $\mu$ L wells), 9-12 (4 x 150  $\mu$ L wells)
- Compatible with either individual or group embryo culture
  - Small wells to store embryos after washes in the bigger wells (individual culture)
  - Big wells to store multiple embryos after serial washes in the smaller wells (group culture)
- No droplet mixing
- The 'ear' protrusions are not continuous, leaving part of the wall external surface for labelling with specimen's details
- The ears provide a better grip, improves handling of both the dish and its lid
- The microwells have an improved concave bottom. The concave shape of the bottom
- facilitates an improved stability centration of the embryo

### Intended use

- Cell culture (gametes or embryos)
- Oocyte insemination (IVF) and denudation
- Handling or manipulation of embryos or gametes



#### Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## Culture Dish 35 mm Time Lapse

### Article code & Packaging

113030TL single packed / 200 units per box

113031TL packed by 10 / 480 units per box

### Testing

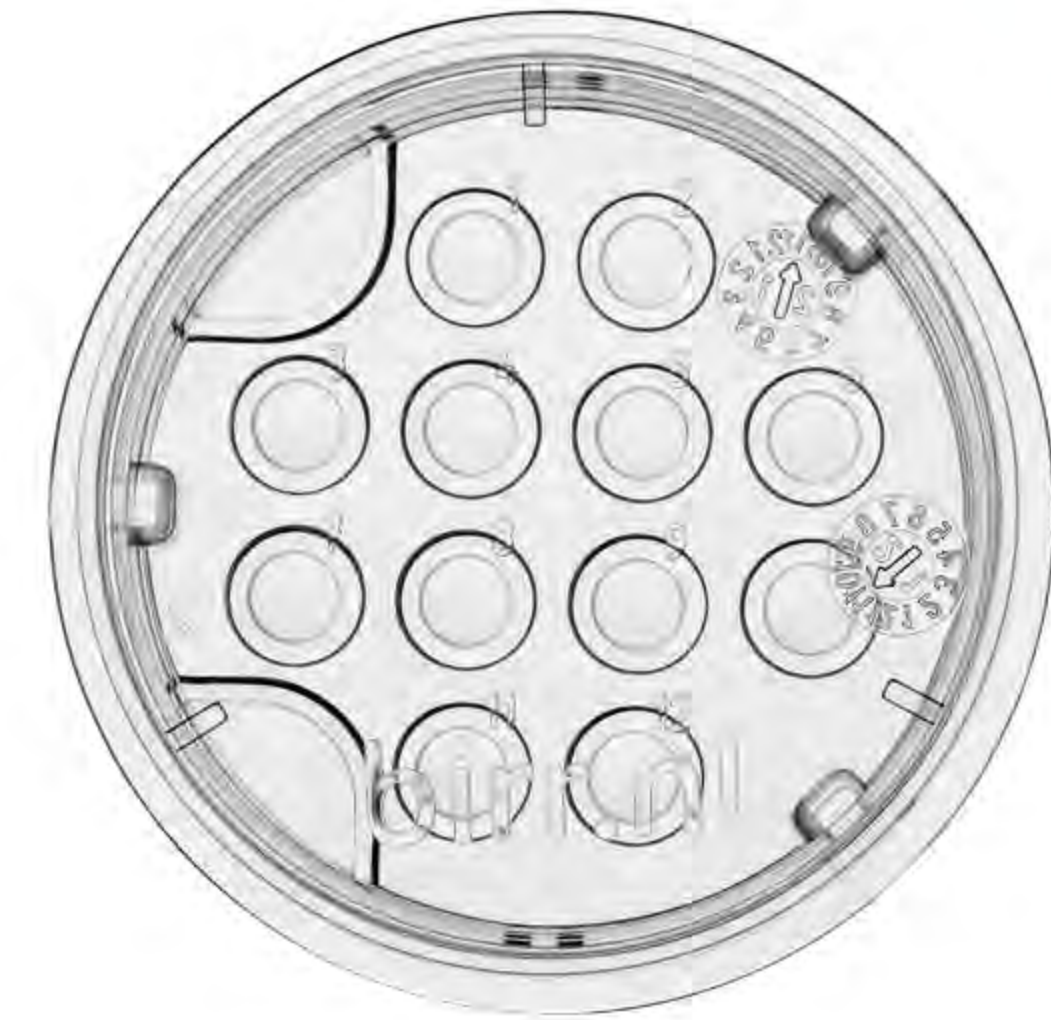
MEA+, LAL & SMA per LOT number

### smART characteristics

- 360° rim confers increased hand grip during operations
- Clear embryo identification provided by well-numbering 1-12
- Fits ASTEC timelapse
- Additional non-numbered side wells for washing embryos and flushing the pipette

### Intended use

- Cell culture (gametes or embryos)



Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## Culture Dish 35 mm

Upgraded

### Article code & Packaging

113030 single packed / 200 units per box

113031 packed by 10 / 480 units per box

### Testing

MEA+, LAL & SMA per LOT number

### Characteristics

- The 'ear' protrusions are not continuous, leaving part of the wall external surface for labelling with specimen's details
- The ears provide a better grip, improves handling of both the dish and its lid

### Intended use

- Cell culture (gametes or embryos)
- Oocyte insemination (IVF)



Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## Culture Dish 60 mm

Upgraded

### Article code & Packaging

113060 single packed / 100 units per box

113061 packed by 4 / 192 units per box

### Testing

MEA+, LAL & SMA per LOT number

### Characteristics

- The 'ear' protrusions are not continuous, leaving part of the wall external surface for labelling with specimen's details
- The ears provide a better grip, improves handling of both the dish and its lid

### Intended use

- Cell culture (gametes or embryos)
- Follicular fluid inspection (oocyte collection)
- Oocyte insemination (IVF) and denudation



Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume



# IVF Dishes

## Culture Dish 90 mm

### Article code & Packaging

113090 single packed / 48 units per box

113098 packed by 8 / 96 units per box

### Testing

MEA+, LAL & SMA per LOT number

### Intended use

- Cell culture (gametes or embryos)
- Follicular fluid inspection (oocyte collection)
- Oocyte insemination (IVF) and denudation



Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## Center-Well Dish 60 mm

Upgraded

### Article code & Packaging

1130-CW single packed / 100 units per box

(upgrade in later stage info will follow)

1131-CW packed by 10 / 240 units per box

(UPGRADED version)

### Testing

MEA+, LAL & SMA per LOT number

### smART characteristics

- The 'ear' protrusions are not continuous, leaving part of the wall external surface for labelling with specimen's details
- The ears provide a better grip, improves handling of both the dish and its lid

### Intended use

- Embryo transfer
- Cell culture (gametes or embryos)
- Oocyte insemination (IVF) and denudation



Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

## Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

# IVF Dishes

## ICSI Dish 60 mm

### Article code & Packaging

1130-ICSI single packed / 100 units per box

1131-ICSI packed by 10 / 240 units per box

### Testing

MEA+, LAL & SMA per LOT number

### Characteristics

- Low walled dish allows better access of micromanipulation pipettes to specimens
- The lid features a tight fit to the dish preventing gas exchange
- Rugged 360° rim confers increased hand grip during operations

### Intended use

- Intracytoplasmic Sperm Injection (ICSI)



# Nominal and Working Volume of BIRR's dishes portfolio

BIRR Dishes portfolio	Item	Nominal Volume	Working volume (working range)
5-Well Dish Round Edges	Well	1.87 mL	1.3 mL (1.0 mL - 1.4 mL)
Square ICSI Dish	Dish	18 mL	7 mL (6 mL - 8 mL)
Square Center-Well Dish	Inner	2.2 mL	1.5 mL (1.0 mL - 2.0 mL)
	Outer		4.0 mL (3.5 mL - 4.5 mL)
6-Well Dish	Well	480 µL	300 µL (200 µL - 400 µL)
16-Well Dish	Drop	9 µL	25 µL (20 µL - 25 µL)
	Dish	22.8 mL	7 mL (5 mL - 9 mL)
4+8-Well Dish	Large Drop	91 µL	150 µL (130 µL - 170 µL)
	Small Drop	62 µL	100 µL (90 µL - 120 µL)
	Dish	21.2 mL	8 mL (7 mL - 10 mL)
Culture Dish 35 mm Time Lapse	Drop		20 µL
	Dish	8.8 mL	
Culture Dish 35 mm	Dish	9.3 mL	5 mL (4 mL - 6 mL)
Culture Dish 60 mm	Dish	28 mL	7 mL - 14 mL
Culture Dish 90 mm	Dish		
Center-Well Dish 60 mm	Inner	2.2 mL	1.5 mL (1.0 mL - 2.0 mL)
	Outer		2.5 mL (2.0 mL - 3.5 mL)
ICSI Dish 60 mm	Dish	16.2 mL	8 mL (6 mL - 10 mL)

Dishes portfolio

5-Well Dish Round Edges

Square ICSI Dish

Square Center-Well Dish

6-Well Dish

16-Well Dish

4+8-Well Dish

Culture Dish 35 mm Time Lapse

Culture Dish 35 mm

Culture Dish 60 mm

Culture Dish 90 mm

Center-Well Dish 60 mm

ICSI Dish 60 mm

Nominal and working volume

Disclaimer: these values are indicative and depending on use (e.g., embryo transfer, oocyte culture), each laboratory must validate solutions volumes prior to clinical use.

**Nominal volume:** the total capacity of the well, microwell or dish calculated as length x width x height of its walls.

**Working volume:** the amount of liquid required to operate the well, microwell or dish in a way that maximises performance and minimizes nuisance (e.g., spillage).

# IVF Tubes

## Why our Tubes

- Class IIa sterile Medical Device according 93/42 EEC Directive
- Manufactured by BIRR in EU
- IVF specific design
- Non-pyrogenic
- Sterility assurance level  $10^{-6}$  (by irradiation)
- IVF tubes are made of medical-grade Polystyrene, Polypropylene and Polyethylene.

### Tubes portfolio

Round Bottom Tube 5 mL

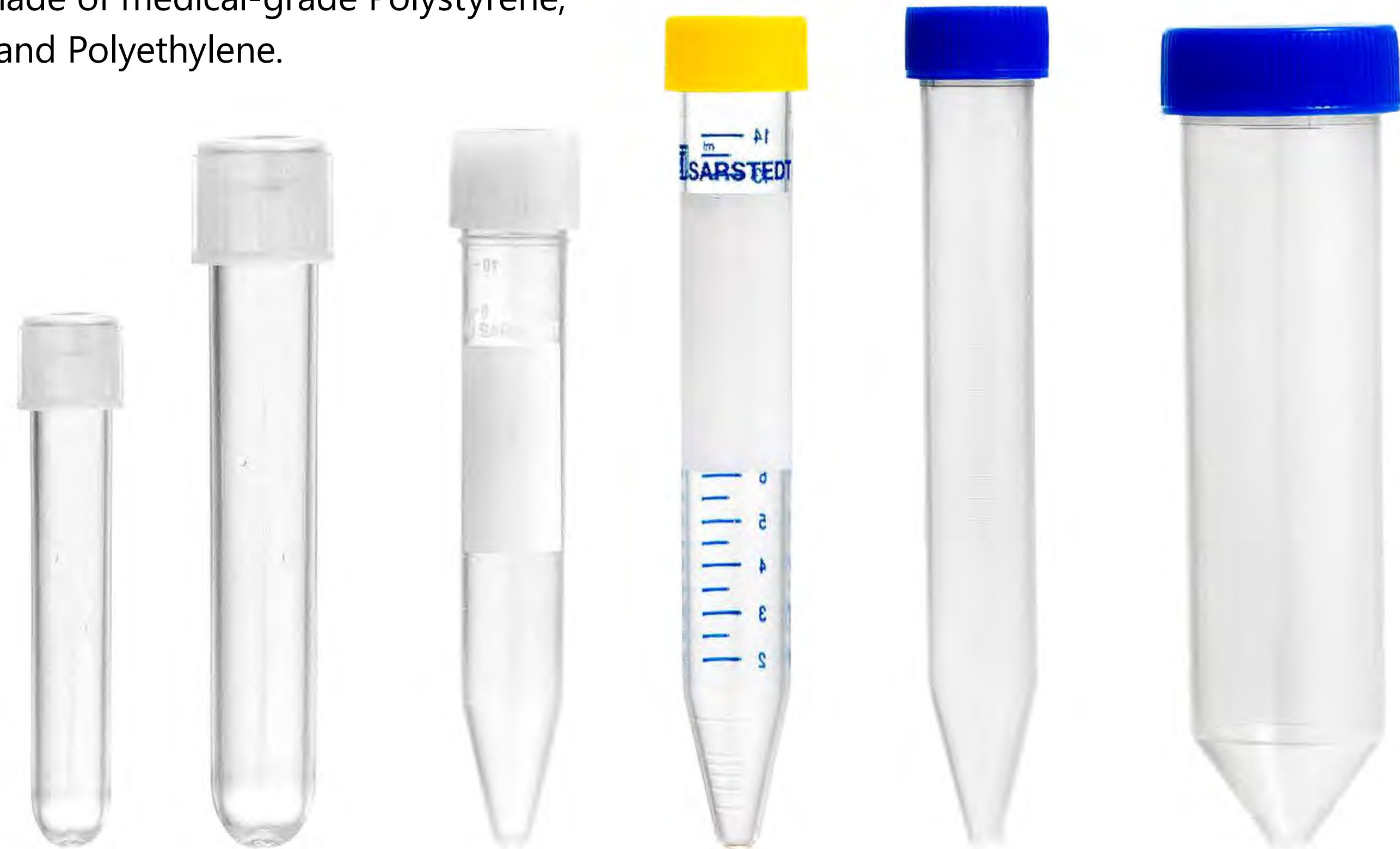
Round Bottom Tube 14 mL

Conical Tube PP 11 mL

Conical Tube PP 15 mL

Conical Tube PS 15 mL

Conical Tube PP 50 mL



# IVF Tubes

**Round Bottom Tube 5 mL**  
(polystyrene, polyethylene cap)

Upgraded

**Article code & Packaging**

113515 single packed / 800 units per box  
113516 packed by 10 / 1800 units per box

**Testing**

MEA, LAL & SMA per LOT number

**smART characteristics**

- Dual position of the cap (sealed and venting)
- Unique cap design prevents accidental sealing
- The redesigned lid ensures adequate gassing of stored solutions
- Simple one-handed cap operability
- Moulded measuring scale (standard)

**Intended use**

- Short storage of culture media, density gradients or cell culture oil (days) (4-40°C)
- Processing of semen samples (e.g., swim-up technique)
- Short storage of processed sperm cells



Tubes portfolio

Round Bottom Tube 5 mL

Round Bottom Tube 14 mL

Conical Tube 11 mL

Conical Tube 15 mL

Conical Tube 15 mL

Conical Tube 50 mL

# IVF Tubes

## Round Bottom Tube 14 mL (polystyrene, polyethylene cap)

Upgraded

### Article code & Packaging

113520 single packed / 600 units per box

113521 packed by 10 / 1000 units per box

### Testing

MEA, LAL & SMA per LOT number

### smART characteristics

- Dual position of the cap (sealed and venting)
- Unique cap design prevents accidental sealing
- The redesigned lid ensures adequate gassing of stored solutions
- Simple one-handed cap operability
- Moulded measuring scale (standard)

### Intended use

- Short storage of culture media, density gradients or cell culture oil (days) (4-40°C)
- Collection of follicular fluid (e.g., oocyte collection procedure)

### Tubes portfolio

Round Bottom Tube 5 mL

Round Bottom Tube 14 mL

Conical Tube PP 11 mL

Conical Tube PP 15 mL

Conical Tube PS 15 mL

Conical Tube PP 50 mL



# IVF Tubes

## Conical Tube 11 mL (polypropylene, polyethylene cap)

### Article code & Packaging

113511 packed by 10 / 1000 units per box

### Testing

MEA, LAL & SMA per LOT number

### smART characteristics

- Moulded measuring scale
- Frosted labelling area

### Intended use

- Preparation, centrifugation and storage of culture solutions (e.g., culture media, density gradients) or biological specimens used in ART procedures

### Tubes portfolio

Round Bottom Tube 5 mL

Round Bottom Tube 14 mL

Conical Tube PP 11 mL

Conical Tube PP 15 mL

Conical Tube PS 15 mL

Conical Tube PP 50 mL





# IVF Tubes

## Conical Tube 15 mL (polypropylene, polyethylene cap)

### Article code & Packaging

113501 packed by 10 / 1000 units per box

### Testing

MEA, LAL & SMA per LOT number

### smART characteristics

- Moulded measuring scale
- Frosted labelling area

### Intended use

- Preparation, centrifugation and storage of culture solutions (e.g., culture media, density gradients) or biological specimens used in ART procedures

### Tubes portfolio

Round Bottom Tube 5 mL

Round Bottom Tube 14 mL

Conical Tube PP 11 mL

Conical Tube PP 15 mL

Conical Tube PS 15 mL

Conical Tube PP 50 mL



# IVF Tubes

## Conical Tube 15 mL (polystyrene, polyethylene cap)

### Article code & Packaging

113506 packed by 10 / 1000 units per box

### Testing

MEA, LAL & SMA per LOT number

### smART characteristics

- Moulded measuring scale
- Frosted labelling area
- Clear see-through plastic

### Intended use

- Preparation, centrifugation and storage of culture solutions (e.g., culture media, density gradients) or biological specimens used in ART procedures

### Tubes portfolio

Round Bottom Tube 5 mL

Round Bottom Tube 14 mL

Conical Tube PP 11 mL

Conical Tube PP 15 mL

Conical Tube PS 15 mL

Conical Tube PP 50 mL



# IVF Tubes

## Conical Tube 50 mL (polypropylene, polyethylene cap)

### Article code & Packaging

113510 single packed / 200 units per box

### Testing

MEA, LAL & SMA per LOT number

### smART characteristics

- Moulded measuring scale
- Frosted labelling area

### Intended use

- Preparation, centrifugation and storage of culture solutions (e.g., culture media, density gradients) or biological specimens used in ART procedures

### Tubes portfolio

Round Bottom Tube 5 mL

Round Bottom Tube 14 mL

Conical Tube PP 11 mL

Conical Tube PP 15 mL

Conical Tube PS 15 mL

Conical Tube PP 50 mL



# IVF Pipettes

## Why our Pipettes

- Class IIa sterile Medical Device according 93/42 EEC Directive
- Manufactured by BIRR in EU
- Non-pyrogenic
- Sterility assurance level 10<sup>-6</sup> (by irradiation)
- Dropping pipettes are made of medical-grade Polyethylene (PE)
- Serological pipettes are made of medical-grade Polystyrene (PS)



### Pipettes portfolio

Dropping Pipette 1/3 mL

Serological Pipette 1/2/5/10/25 mL

Pipettes portfolio

Dropping Pipette 1/3 mL

Serological Pipette 1/2/5/10/25 mL

# IVF Pipettes

## Dropping Pipette 1 mL

### Article code & Packaging

113410 single packed / 800 units per box  
113411 packed by 10 / 1500 units per box

### Testing

MEA, LAL & SMA per LOT number

## Dropping Pipette 3 mL

### Article code & Packaging

113420 single packed / 800 units per box  
113421 packed by 10 / 1500 units per box

### Testing

MEA, LAL & SMA per LOT number

### Intended use

- Transfer of semen sample from the collection container to density gradients or other devices used for semen processing or storage
- Aliquoting of culture media and density gradients

1 ml



3 ml



# IVF Pipettes

## Serological Pipette 1 ml

### Article code & Packaging

113701 single packed / 1000 units per box

### Testing

MEA & LAL per LOT number



## Serological Pipette 2 ml

### Article code & Packaging

113702 single packed / 1000 units per box

### Testing

MEA & LAL per LOT number



## Serological Pipette 5 ml

### Article code & Packaging

113705 single packed / 500 units per box

### Testing

MEA & LAL per LOT number



## Serological Pipette 10 ml

### Article code & Packaging

113710 single packed / 500 units per box

### Testing

MEA & LAL per LOT number



## Serological Pipette 25 ml

### Article code & Packaging

113725 single packed / 200 units per box

### Testing

MEA & LAL per LOT number



## Characteristics

- Portfolio of 5 pipettes including unique 25 mL

## Intended use

- Accurate measuring of semen samples volume
- Aliquoting of culture media and density gradients

Pipettes portfolio

Dropping Pipette 1/3 mL

Serological Pipette 1/2/5/10/25 mL

# IVF Containers

## Why our Containers

- Class IIa sterile Medical Device according 93/42 EEC Directive
- Manufactured by BIRR in EU
- IVF specific design
- Non-pyrogenic
- Sterility assurance level  $10^{-6}$  (by irradiation)
- IVF containers and their caps are made of medical-grade Polypropylene (PP) and Polyethylene (PE), respectively.



Containers

Semen Collection Container 100 mL

Semen Collection Container 125 mL

# IVF Containers

## Semen collection Container 100 mL

### Article code & Packaging

113102 packed by 5 / individually sealed / 200 units per box

### Testing

MEA, LAL & SMA per LOT number

### Characteristics

- Individually wrapped and labelled with LOT number and expiration date
- Seal of sterility
- Label for patients and samples identification

### Intended use

- Collect semen for ART procedures and diagnostics



Containers

Semen Collection Container 100 mL

Semen Collection Container 125 mL



# IVF Containers

## Semen collection Container 125 mL

### Article code & Packaging

113101 single packed / 100 units per box

### Testing

MEA, LAL & SMA per LOT number

### Characteristics

- Individually wrapped and labelled with LOT number and expiration date (bottom)

### Intended use

- Collect semen for ART procedures and diagnostics



Containers

Semen Collection Container 100 mL

Semen Collection Container 125 mL

# Other IVF Labware

## Why our Microvials

- Class IIa sterile Medical Device according 93/42 EEC Directive
- Manufactured by BIRR in EU
- IVF specific design
- Non-pyrogenic
- Sterility assurance level  $10^{-6}$  (by irradiation)
- Microvials are made of medical-grade Polypropylene

## Why our Flasks

- Class IIa sterile Medical Device according 93/42 EEC Directive
- Manufactured by BIRR in EU
- IVF specific design
- Non-pyrogenic
- Sterility assurance level  $10^{-6}$  (by irradiation)
- Flasks and their caps are made of medical-grade Polystyrene and Polyethylene, respectively.



Other IVF Labware

Micovial 1.5 mL

Flask 40 / 270 mL

# Other IVF Labware

## Micovial 1.5 mL

### Article code & Packaging

113301 packed by 10 / 1000 units per box

### Testing

MEA & LAL per LOT number

### Characteristics

- Printed measuring scale
- Frosted labelling area

### Intended use

- Multipurpose microvial for ART specimens



Other IVF Labware

Micovial 1.5 mL

Flask 40 / 270 mL

# Other IVF Labware

## Flask 40 mL

### Article code & Packaging

113601 packed by 5 / 200 units per box

### Testing

MEA & LAL per LOT number

## Flask 270 mL

### Article code & Packaging

113650 single packed / 50 units per box

### Testing

MEA & LAL per LOT number

### Characteristics

- Moulded measuring scale
- Vertical or horizontal resting position

### Intended use

- Storing of media



Other IVF Labware

Micovial 1.5 mL

Flask 40 / 270 mL

# About BIRR

BIRR specialises in the supply of products for use in Assisted Reproductive Technologies (ART).

Our products are designed in close cooperation with our customers. As a result, our products are innovative and intuitive to help healthcare professionals provide better, more efficient patient treatment, ensuring the very best of care.

