

CONSUMABLES RECOMMENDATIONS

Introduction:

The following document outlines our recommended consumables which have been tested and approved by the IVF Bioscience scientific team. Please contact our team (support@ivfbioscience.com) with any questions you may have regarding consumables.

Cleaning:

| Product | Manufacturer | Description | Code | Purpose |
|------------------|------------------|---|-------------------------|---|
| Kombipure | K4Technology ApS | Concentrated alcohol-free disinfectant and cleaner, dilution: 1:100 | 319001 | For end of day cleaning of workstations (not during oocyte/semen/embryo handling). |
| KelmeC RU | K4Technology ApS | Ready to use surface disinfectant, alcohol-free (50 ml pump-spray). | 215001 | For end of day cleaning of workstations (not during oocyte/semen/embryo handling). |
| Mesoft non-woven | Mediq | Non-sterile | 4240444 | For the hygienic handling of slaughterhouse ovaries. |
| Finess Cellstoff | Kruuse | Cell dust unbleached 40 x 60 cm | 161255 | Tissue for cleaning workstations. |

Quality Control:

| Product | Manufacturer | Description | Code | Purpose |
|-------------------|--------------|---|----------------------|--|
| G100 Gas Analyzer | Viasensor | CO ₂ and O ₂ verification | G100 | Incubator environment verification device. |

Pipettes and Tips:

| Product | Manufacturer | Description | Code | Purpose |
|-------------------------|--------------|---|--------------------------------------|--|
| Pasteur pipette | VWR | LDPE, disposable, sterile, 7 ml capacity, suction volume 3.5 ml | 612-1747 | Pipette for aspirating supernatants. |
| 1- 200 µl filter tips | LABSOLUTE | Sterile filter tips with aerosol barriers | 7695904 | Pipette tips for micropipette. |
| 2- 20 µl filter tips | LABSOLUTE | Sterile filter tips with aerosol barriers | 7695902 | Pipette tips for micropipette. |
| 50- 1000 µl filter tips | LABSOLUTE | Sterile filter tips with aerosol barriers | 7695905 | Pipette tips for micropipette. |
| Denudation pipette tip | Gynetics | Pipette for oocyte manipulation size 135 µm. Fits EZ-grip | #3000 Strip-ID135/10 | Pipette tips for removing cumulus cells following fertilisation. |

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Tubes:

| Product | Manufacturer | Description | Code | Purpose |
|-----------------------------|-------------------|--|--|---|
| 15 ml centrifuge tube | Fisher scientific | Conical, Polypropylene, graduated, RNase/DNase free, Pyrogen/Endotoxin/Cytotoxic free, Sterile | 1175507 5 | Centrifuge tube for bovine semen preparation. |
| 14 ml tube | Oosafe® | MEA tested, sterile. Round bottom. | OOPW-OT10 | Centrifuge tube for equine semen preparation. Round bottom with a larger surface is important to quickly eliminate ROS. |
| 50 ml centrifuge tube | Fisher Scientific | Conical, Polypropylene, graduated, RNase/DNase free, Pyrogen/Endotoxin/Cytotoxic free, Sterile | 1151230 3 | Container for collecting follicular fluid and COCs. |
| Sonication tube | Active Motif | Polystyrene plastic | 53071 | Plastic tube for maturing oocytes during maturation using BO-HEPES-IVM. |
| Glass vial | VWR | Glass, 1 ml volume | NSCAC40 15-96 | Glass tube for maturing oocytes during maturation using BO-HEPES-IVM. |
| 10 / 11 ml centrifuge tubes | Fisher Scientific | Polystyrene, conical, CE marked, max RCF: 3,000x g, sterile, white lid | 1070743 1 | Tube for denudation via vortexing. |

Dishes:

| Product | Manufacturer | Description | Code | Purpose |
|--------------------|-------------------|--|------------------------|--|
| IVF Petri dish | Thermo Scientific | 35 mm, volume 3 ml, culture area 8.8 cm ² , sterile, MEA-tested | 150255 | Embryo and gamete safe plasticware for rinsing in media between steps. |
| IVF Petri dish | Thermo Scientific | Dia 88mm, volume 5ml, culture area 56.7 cm ² , sterile, MEA-tested | 150360 | Gamete safe plasticware for searching for COCs following aspiration. |
| ICSI dish | Thermo Scientific | Dia 51mm, true flat bottom, sterile, MEA-tested | 150265 | Embryo and gamete safe plasticware for ICSI (equine). |
| 4-Well Plate (4WP) | Thermo Scientific | Treated dish, FDA cleared, according to Medical Devices Directive 93/42/EEC, based on a 1-cell stage mouse embryo toxicity test, Sterility (SAL 10e ⁶), meets USP Class VI requirements. CE marked | 144444 | 4-Well IVF approved dish for maturation, fertilisation and culture. |

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Ovary Aspiration:

| Product | Manufacturer | Description | Code | Purpose |
|-----------------------------------|--------------|--------------------------------|--------------------------|--|
| Sodium Chloride 0.9% (salt water) | Mediq | Sterile | 0822100 | For washing and holding the collected ovaries prior to aspiration. |
| 18G needle | VWR | 18G X1 ½ 40 mm length, pink | 613-2019 | For the aspiration of COCs and follicular fluid. |