



Bovine reproduction biotechnologies



www.imv-technologies.com



Improving communication

IMV Technologies keeps evolving in a moving world.

A few months ago, we initiated a complete uplift to renew our offer to all our customers. New catalogues have been edited and a brand new "easy to navigate" website has been created.

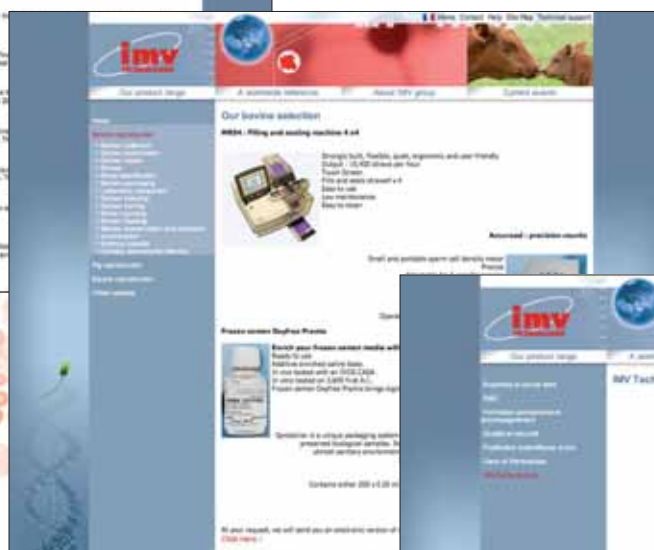
You are very welcome to go surfing between IMV key dates from the early days of artificial insemination through our long list of innovations.

Also included is a complete display of our product range - species by species - complete with new products and up-to-date IMV news to discover.

You can also download free screen savers to customize your computer."



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EDITORIAL



Recognized worldwide as the leader in assisted reproduction biotechnologies, IMV Technologies started in the bovine field over 40 years ago. Based in the heart of Normandy area in France, the location of the first French A.I. centre, we work in close collaboration with bovine reproduction professionals in research, technical support and product development. We maintain partnerships with universities, and national research centres, such as INRA, who work directly with our R & D team to provide the most up to date information and products.

Our objective is to meet the growing needs of genetic development programs of our customers providing research, development and manufacturing of innovative products together with technical support.

Our international network, through our subsidiaries in United States, Italy, China and India, together with agents and distributors in over 120 countries offer unmatched knowledge of foreign markets and their respective requirements.

Our goal is to provide, you the customer, with the highest quality of product to facilitate your work. From collection, through semen examination, dilution, packaging, preservation to insemination, we offer a full range of products and services.

As you view our catalog, please contact us if you have questions regarding the products and services offered.



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SEMEN COLLECTION



Bovine artificial vagina IMV model

005417



Consumables

- Rough neoprene liner for bovine (by 10) (1)
- Rough latex liner for bovine (by 10) (2)
- Smooth neoprene liner for bovine (by 10)
- Smooth latex liner for bovine (by 10)

005332

005330

005331

005329



Accessories

- Cone for bovine vagina (by 10) (3)
- Protective felt cover for bovine vagina (4)
- Pyrex 15 ml graduated collection tube (by 10) (5)
- Silicone plug for 15 ml collection tube (by 25)
- 15 ml conical sterile tube with blue plug (by 125)
- Protective felt cover for collection tube (by 5) (6)
- Gynaecologic lubricant flask 1,100 g
- B-GEL / 250 g flask (by 6)
- Collection gloves (by 4x50)

005204

005346

005351

005415

017693

005347

005906

016235

005141





SMILE - SOFTWARE FOR THE MANAGEMENT OF THE

IMV Technologies originally conceived the concept of developing a user-focused lab management software in association with American, Dutch and French cattle AI stations over 15 years ago. Since then, many improvements have been integrated to enable semen analysis, semen processing, traceability and inventory following 15 years of customer

1

COLLECTION TRACEABILITY

- Electronic identification of the sire with wireless reader (gun) (1)
- Multiple database entry
 - Collector
 - Handler
 - Three fields to record collection events of interest (2)
- Transfer of database info to main computer
- Barcode label production used to identify the semen collection throughout the process (3).
- Sample data sent to laboratory regardless of distance.



1



2



3



4

Health Records Traceability

Our reader (gun) can be used to record and monitor the blood sampling or various veterinarian treatments on the animal.

2

LABORATORY

- Linked to various equipment by an RS 232 connection, the data is automatically stored in the database. The database is an accurate and precise tool used by the lab staff and management to make knowledgeable decisions (1).
- After semen evaluation (2) (3), the quality assessment may be displayed on a large screen in the collection room (5).
- Each collection may be assigned its own unique batch code for further traceability.
- The sire collection decisions can be pre-determined by management based on the powerful database available in SMILE (4).



1



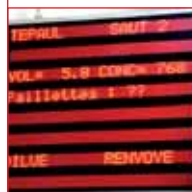
2



3



4



5



6

INTEGRATED LABORATORY ENVIRONMENT

comment, adoption of innovative, technical advances and a powerful database. The system is also being further improved to enable compatibility and integration with the IVOS – Computer Assisted Semen Analyser. Please refer to the picture flow chart shown below to study how our system may assist you. Please contact a member of our technical sales team if you require any additional information on SMILE.

3

SEMEN PACKAGING TRACEABILITY

- Integrated with the IS4, a state of the art machine for filling, sealing and printing of the IMV Technologies straw, SMILE further traces your collected semen. A barcode can be printed on the straws for further identification. When the semen packaging process is completed, the IS4 automatically sends the number of straws per sample back to the database (2).
- Human error is eliminated through automatic data collection (3).



4

FREEZING & STORAGE TRACEABILITY

- The bar-coded straws can now be loaded into the Digitcool for freezing according to pre-set protocols. The Digitcool offers a “state of the art” method for straw freezing. Recorded in the database, is the batch code with the freezing curve, chamber curve, and inside straw curve.



A complete
traceability
chain from
collection
to storage !



SEMEN EXAMINATION

Automatic evaluation

■ IVOS semen analyser version 12

018435

If high-end performance using the industry standard is key for your lab, then the IVOS is the best option.

- All optics components built into one integrated workstation
- Strobe illumination: provides sharpest imaging
- Automated, built-in, heated stage for precise temperature control and sample positioning
- Preselection of fields for fastest analysis
- Optional IDENT fluorescence software



■ Data base management software

018438

■ Clinical filing software

018556

Accessories for IVOS and CEROS

■ Leja 4 chambers slides (by 16x25) (1)

020110

■ 0.5 to 5 ml micropipette MP5000 (2)

005529

■ Filters for micropipette MP5000 (by 2x100) (3)

005206

■ Filters for micropipette MP5000 (by 100) (4)

020100



■ CEROS semen analyser version 12

with microscope + vdu + minitherm + motility

If you require the objectivity and accuracy of automated analysis, but at a more affordable price, then CEROS is your best choice.

- External microscope allows computer to be stored under the lab bench to save space
- Familiar, standard microscope illumination
- Portable MiniTherm Stage Warmer maintains samples at 37°C
- X-Y stage movement increases number of fields available for motility and morphology



- Adjustable micropipette MP200 from 20 to 200 µl (5)

005531

- Adjustable micropipette MP20 from 2 to 20 µl (6)

005530

- Clear tips for micropipette MP200 and MP20 (by 1,000) (7)

005208





SEMEN EXAMINATION

Photometric examination

- **Accucell bovine photometer with dilutor and printer** 020215
- Thin tube for semen sampling (by 1,000) 006452
- Printer paper by 10 rolls 005378

- **Accucell bovine photometer** 014475

A tool developed for an accurate measurement of the concentration of all types of ejaculate.

- Direct reading of concentration; absorbance or concentration calculation. Unit also calculates the volume of media to be added and potential number of doses
- Concentration: simultaneous display of the concentration and absorbance after a user defined delay
- Absorbance: real time display



- **Accuread bovine photometer** 019956

Small and portable sperm cell density meter, Accuread operates on AC and battery. Direct reading of concentration through long lifetime LED source combined with fiber optic (no filter), it also displays results in direct concentration or absorbance. Delivered with RS 232 plug

- 0.5 to 5 ml micropipette MP5000 005529
- Clear tips for micropipette MP5000 (by 2x100) 005206
- Filters for MP5000 micropipette (by 100) 020100
- Adjustable micropipette MP200 from 20 to 200 µl 005531
- Clear tips for micropipette MP200 and MP20 (by 1,000) 005208
- Adjustable micropipette MP50 from 5 to 50 µl with 1,000 clear tips 005928
- Clear tips for micropipette MP50 (by 1,000) 020101
- Rack for 7 micropipettes (1) 005555



Photometric options

- Bovine dilutor (2) 012930
- Thin tube for semen sampling (by 1,000) 006452
- Printer with wire for photometer (3) 014441
- Printer paper by 10 rolls 005378

Consumables for photometer

- Cuvette for photometer (by 5x120) 005155
- 50 ml flask of NaCl solution 9/1000 (by 10) 015988
- 250 ml flask of NaCl solution 9/1000 (by 10) 002259



Binocular microscope with objectives 10x - 20x - 40x

- Binocular microscope YS100
with stage warmer and histology plate (1) 016745
- Binocular microscope YS100
with stage warmer without histology plate 016744



Trinocular microscope with objectives 10x - 20x - 40x

- Trinocular microscope E50i
with stage warmer and histology plate (2) 019172
- 36 cm monitor with colour camera (PAL, NTSC) 016513
- Slides 76x26 mm (by 10x50) 005795
- Cover slides 18x18 mm (by 1,000) (3) 006557
- Adjustable micropipette MP20 from 2 to 20 µl 005530
- Clear tips for micropipette MP200 and MP20 (by 1,000) 005208



Manual evaluation

- Manual counter (4) 005671
- Thoma cell, double ruling (5) 005786
- Hemacytometer cover slip (by 2x10) (6) 020105





SEMEN MEDIA

Bioxcell CSS

- 2 x 500 ml Bioxcell CSS I&II QSF 5 litres (1) 018617
- 2 x 100 ml Bioxcell CSS I&II QSF 1 litre (2) 018754

CSS Two Step includes:

- 1 bottle of CSS I concentrated 5x
- 1 bottle of CSS II with glycerol concentrated 5x
- 1 bottle of antibiotics

- 100 ml Premix Oxyfree for bovine frozen semen (by 10) (3) 019804

Enrich your frozen semen media with a ready-to-use solution!

- Developed with UNCEIA and tested by the french animal insemination centers, its enriched formula contains a bovine semen specific additive which improves the non-return rates of bad or mediocre fertility bulls. In vitro tested with an IVOS CASA and in vivo tested on 3,600 first A.I. (1,800 with Oxyfree Premix, 1,800 with test samples), the Frozen Semen Oxyfree Premix brings significant results for 30% to 50% of bulls.
- Does not contain any product of animal origin.

- 1 litre sterile water (by 10) (4) 019757



Bioxcell

■ 100 ml Bioxcell QSF 500 ml (by 10) [1]

006584

- Bioxcell's innovative animal protein-free formula eliminates the health risks associated with the use of milk and/or egg yolk for the final dilution of bovine semen.
- Media for frozen (-196°C) or fresh semen (+4°C). Semen diluted in Bioxcell can be processed at refrigeration temperature (+4°C) or room temperature (+20°C).
- It has been proven to maintain good fertility in semen doses containing low concentrations of sperm cells.
- Bioxcell contains an antibiotic mix of Lincomycin, Spectinomycin, Gentamycin and Tylosin.
- Ochre colored, this sterile concentrated liquid is presented in 100 ml PET biocompatible, unbreakable bottle.
- Easy to use, 1 bottle of Bioxcell is diluted in 400 ml of water for a final extended, ready to use volume of 500 ml.
- Due to the absence of egg yolk and/or milk, Bioxcell is clear after dilution. This makes diluted semen easy to evaluate under the microscope or CASA System.
- Bioxcell may be frozen at -20°C after extension.



■ 250 ml Bioxcell QSF 1,250 ml (by 10) [2]

016218

- Easy to use, 1 bottle of Bioxcell is diluted in 1,000 ml of water for a final extended, ready to use volume of 1,250 ml.





STRAWS

STRAWS COLOR QUANTITY REFERENCE

Medium straws

0.5 ml	clear	(by 2,000)	005569
0.5 ml	red	(by 2,000)	005702
0.5 ml	green	(by 2,000)	005568
0.5 ml	purple	(by 2,000)	005703
0.5 ml	yellow	(by 2,000)	005707
0.5 ml	salmon	(by 2,000)	005715
0.5 ml	putty coloured	(by 2,000)	005711
0.5 ml	pistachio	(by 2,000)	005746
0.5 ml	pink	(by 2,000)	005712
0.5 ml	pastel red	(by 2,000)	005709
0.5 ml	pastel green	(by 2,000)	005710
0.5 ml	pastel blue	(by 2,000)	005697
0.5 ml	pastel grey	(by 2,000)	005698
0.5 ml	pastel yellow	(by 2,000)	005590
0.5 ml	pastel orange	(by 2,000)	005685

Top Bull Straws

0.5 ml TBS	clear	(by 2,000)	017004
0.5 ml TBS	pistachio	(by 2,000)	018120



STRAWS	COLOR	QUANTITY	REFERENCE
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Mini straws

0.25 ml	clear	(by 2,000)	005565
0.25 ml	green	(by 2,000)	005570
0.25 ml	purple	(by 2,000)	005573
0.25 ml	yellow	(by 2,000)	005578
0.25 ml	pink	(by 2,000)	005581
0.25 ml	light blue	(by 2,000)	005680
0.25 ml	salmon	(by 2,000)	005582
0.25 ml	putty coloured	(by 2,000)	005585
0.25 ml	pastel pistachio green	(by 2,000)	019179
0.25 ml	pastel red	(by 2,000)	005567
0.25 ml	pastel blue	(by 2,000)	005584
0.25 ml	pastel grey	(by 2,000)	005577
0.25 ml	pastel yellow	(by 2,000)	005575
0.25 ml	pastel orange	(by 2,000)	005580



Top Bull Straws

0.25 ml TBS	clear	(by 2,000)	017011
0.25 ml TBS	pastel orange	(by 2,000)	017017
0.25 ml TBS	pastel grey	(by 2,000)	017015
0.25 ml TBS	pastel red	(by 2,000)	017012
0.25 ml TBS	pastel pistachio	(by 2,000)	018888
0.25 ml TBS	salmon	(by 2,000)	019708
0.25 ml TBS	pink	(by 2,000)	019707
0.25 ml TBS	white	(by 2,000)	018299
0.25 ml TBS	pastel yellow	(by 2,000)	017016
0.25 ml TBS	pastel green	(by 2,000)	017013
0.25 ml TBS	pistachio	(by 2,000)	019709
0.25 ml TBS	pastel blue	(by 2,000)	017014



Fresh Semen Straws*

0.25 ml	white plug	(by 2,000)	006937
0.25 ml	grey plug	(by 2,000)	006939
0.25 ml	yellow plug	(by 2,000)	006942
0.25 ml	red plug	(by 2,000)	006941
0.25 ml	blue plug	(by 2,000)	006940
0.25 ml	green plug	(by 2,000)	006938



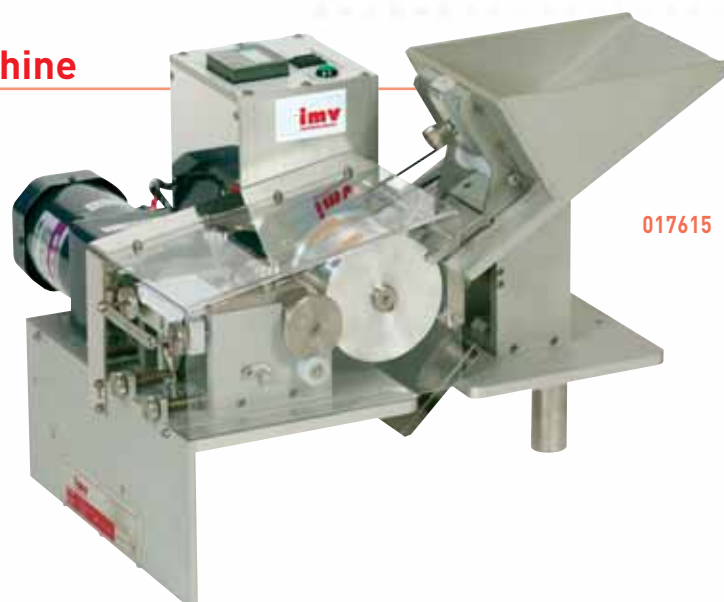
*Specific plastic unsuitable for freezing



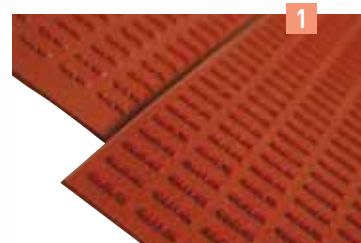
STRAW IDENTIFICATION

Automatic Printing Machine MIA Model

- This basic printer uses rubber stamp dies for straw identification.
- The stamp area size is sufficient to allow 2 lines of text.
- The automatic printing machine has an electric counter.
- This unit is easy to maintain.
 - Speed: 12,000 straws per hour



- | | |
|---------------------------------|--------|
| ■ Bull or ram die | 005189 |
| ■ Date stamp (001/yy to 365/yy) | 005978 |
| ■ Date stamp (dd/mm/yy) (1) | 005543 |
| ■ Clear adhesive tape | 005367 |
| ■ Thick adhesive tape | 005368 |
| ■ Black ink f4 (2) | 005362 |
| ■ Thinner - 1 litre for ink f4 | 005359 |



Options for Jet Printer

- | | |
|--|--------|
| ■ Hopper for 0.25 ml straw distributor G10 | 008018 |
| ■ Hopper for 0.5 ml straw distributor G10 | 007037 |
| ■ Antistatic hopper (3) | 007028 |



Jet Printer with Straw Distributor for 0.25 ml and 0.5 ml straws

- The Linx jet printer, G10 distributor, pilot logic controller, and computer provide a complete solution to your straw printing with exceptional quality.



0.5 ml	019575
0.25 ml	019574

- A ten digit bar-code (19 mm long), alpha and/or numeric characters, and logos can be chosen for the semen identification.

- The complete system is user friendly, easy to clean and requires minimal maintenance.

- Speed: 18,000 straws by hour

- Windows jet printer software

015647

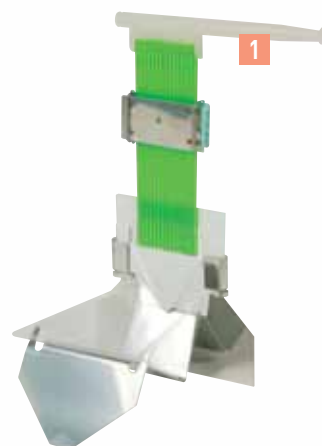
Computer to be supplied locally by customer (except USA)



SEMEN PACKING

Manual packing ⁽¹⁾

■ Pump and filter	007006
■ Pump connection tube (by 2)	007825
■ 0.25 ml filling nozzle 20 pins	007298
■ 0.5 ml filling nozzle 15 pins	007297
■ Clip 20 straws 0.25 ml	007009
■ Clip 15 straws 0.5 ml	007008
■ Rubber for clip 20 straws 0.25 ml (by 10)	007875
■ Rubber for clip 15 straws 0.5 ml (by 10)	007876
■ Stainless steel bubbler holder	007116
■ 0.25 ml bubbler with filling nozzle (by 25)	006936
■ 0.5 ml bubbler with filling nozzle (by 25)	006935



SEALING POWDER ⁽²⁾

■ 750 g of sealing powder blue	018818
■ 750 g of sealing powder yellow	018815
■ 750 g of sealing powder orange	018820
■ 750 g of sealing powder red	018816
■ 750 g of sealing powder green	018817
■ 750 g of sealing powder purple	018819



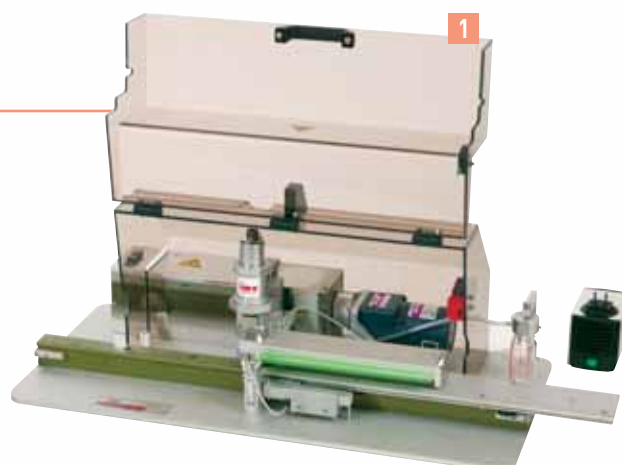
Cold cabinet

■ Cold handling cabinet 4°C (Length 2 m, width 1 m) adjustable height for MRS1 dual ⁽³⁾	007082
■ Tropical cold handling cabinet 4°C (Length 2 m, width 1 m) adjustable height for MRS1 dual	007085



Filling and sealing machine MRS1 dual 1x1

- 0.25 and 0.5 ml straw MRS1 dual (1) 020052
 - Single straw filling and sealing machine
 - Speed: 3,600 straws per hour
 - Works either at +4°C or at room temperature

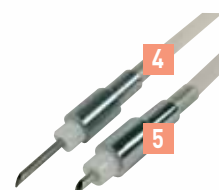


MRS1 dual accessories

- Pump and filter 007006
- MRS pump connection tube (by 2) 007825
- 58 straws 0.25 ml carrier for MRS1DUAL 007111
- 58 straws 0.5 ml carrier for MRS1 (2) 007725
- 100 straws 0.25 ml carrier for MRS1DUAL 007110
- 100 straws 0.5 ml carrier for MRS1 007724
- Joint white rubber (by 5 metres) 000012
- 0.25 ml irradiated disposable filling nozzle (by 2x60) 005562
- 0.5 ml irradiated disposable filling nozzle (by 2x60) (3) 006437

or reusable filling needles:

- 0.25 ml long filling nozzle (by 10) 007704
- 0.5 ml long filling nozzle (by 10) (4) 007703
- 0.25 ml short filling nozzle (by 10) 007706
- 0.5 ml short filling nozzle (by 10) (5) 007705
- Semen cone (by 4x65) (6) 005533
- Flexible tube for semen filling (by 20x60) 005564
- 0.5 ml tightness plug (by 5,000) 010240
- 0.5 ml semen sampling tube (by 1,000) 006451





SEMEN PACKAGING

Cold cabinet

- Vertical cold cabinet for L 2.2 m x h 2.1 m for MRS and IS4 (1) 018544



IS4/MRS4 accessories

- Filtration unit for IS4 018582
- Flexible tube for IS4 - lgth 290 cm (by 20x60) 017484
- Semen receptacle 400 ml IS4 (by 600) (2) 017495
- Semen suction cone (by 4x65) (3) 005533
- Set of 4 0.25 ml disposable filling nozzles for IS4/MRS4 **NEW** 019764
- 0.5 ml irradiated disposable filling nozzle (by 2x60) 006437



Integrated system

- IS4 0.25 ml with Jet Printer LINX (1) 019792
- IS4 0.5 ml with Jet Printer LINX 019794
- IS4 0.25 ml without Jet Printer 017403
- IS4 0.5 ml without Jet Printer 017405

Computer to be supplied locally by customer



Integrated system to fill, seal and print IMV Technologies' straws at a speed of 14,400 per hour

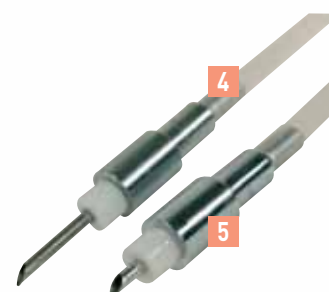
Computer controlled, its advanced printing system enables bar codes to be printed along with other standard information, guaranteeing traceability of all processed ejaculates. User friendly, the IS4 is completely enclosed and its design sets new standards for user comfort with very little noise.

- Easy access
- Easy to clean
- No tool required
- Easy to maintain.

Low voltage N°73/23 CEE, CEM 89/336 CEE, EN 61010-1, EN 61326/A1, EN 61326-1, ISO 9001 certification.

or reusable filling needles:

- 0.25 ml long filling nozzle (by 10) 007704
- 0.5 ml long filling nozzle (by 10) (4) 007703
- 0.25 ml short filling nozzle (by 10) 007706
- 0.5 ml short filling nozzle (by 10) (5) 007705
- Clip for 4 filling nozzles for IS4 017222
- 0.5 ml tightness plug (by 5,000) 010240





SEMEN PACKING

Filling and sealing machine 4 x 4

■ MRS4 0.5 ml

019995

■ MRS4 0.25 ml

019996

- Output: 15,400 straws per hour
- User friendly Touch Screen
- Fills and seals straws 4 x 4
- Easy to use
- Low Maintenance
- Easy to clean



- Renowned for the quality of its equipment, IMV brings you to a new level in filling and sealing straws. Our MRS4 is strongly built, flexible, quiet, ergonomic and user friendly to match the requirements of modern semen processing laboratories conditions.

LABORATORY EQUIPMENT



- | | |
|---|--------|
| ■ Glass distiller 7 litres/hour | 005739 |
| ■ 53 l stainless steel sterilizer 30-220°C | 005735 |
| ■ 108 l stainless steel sterilizer 30-220°C (1) | 005732 |
| ■ 53 l stainless steel incubator 30-70°C | 005758 |
| ■ 108 l stainless steel incubator 30-70°C | 005734 |
| ■ 256 l stainless steel sterilizer & incubator 30-220°C | 005736 |
| ■ 30 l water bath (2) | |
| supplied with stand for baby flasks and tubes | 007227 |
| ■ Support for 16 baby flasks | 008325 |
| ■ 14 l water bath stainless steel with cover | 005730 |



Water bath accessories

- | | |
|-------------------------------------|--------|
| ■ Pyrex baby flask with cap (by 24) | 020177 |
|-------------------------------------|--------|



SEMEN FREEZING

Automatic freezing

■ Micro-Digitcool for 6 racks (1)

240 x 0.5 ml straws or 420 x 0.25 ml straws

007261

■ Freezing rack for 70 straws 0.25 ml

007122

■ Distribution block for 70 straws 0.25 ml

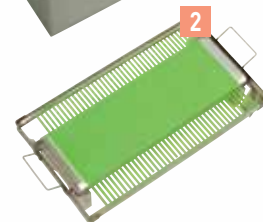
007088

■ Freezing rack for 40 straws 0.5 ml (2)

007119

■ Distribution block for 40 straws 0.5 ml (3)

007093



■ Mini-Digitcool for 24 racks (4)

1,392 x 0.5 ml straws or 2,400 x 0.25 ml straws

007263

■ Freezing rack for 100 straws 0.25 ml

007121

■ Distribution block for 100 straws 0.25 ml

007090

■ Freezing rack for 58 straws 0.5 ml

007118

■ Distribution block for 58 straws 0.5 ml

007092



Computer to be supplied locally by customer (except USA)

■ Software WIN 3 T

015397

■ Freezing dedicated

■ User friendly

■ Indicates temperatures in the chamber and in the straws

■ Allows display and storing freezing data

■ Wire RS232 for PC connection

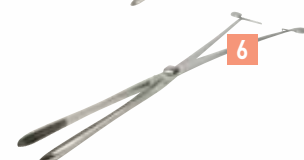
007186

■ Short forceps length 23 cm (5)

005524

■ Long forceps length 70 cm (6)

005523



Digitcool for 30 racks (1)

3,000 x 0.5 ml straws or 5,250 x 0.25 ml straws

007262

Freezing rack for 175 straws 0.25 ml (2)

007120

Distribution block for 175 straws 0.25 ml (3)

007089

Freezing rack for 100 straws 0.5 ml

007117

Distribution block for 100 straws 0.5 ml

007091

60 l tank with flexible +

casters + gauge for Mini & Micro-Digitcool

020086

120 l tank with flexible + casters + gauge

007223



Accessories for manual freezing

Straw basket - small type (1)

007137

Straw basket - large type

007142

Pit basket (2)

007126

Pit canister 2 levels (3)

007133

Funnel (4)

007125

Divider for funnel

007124

Stand for 65 mm goblet (5)

007127

Work basket 3 places for 65 mm goblets (6)

007136





SEMEN STORAGE

Containers

- All sizes and capacities available on request

Canisters ⁽¹⁾

- 2 lay plastic canister with lifter (by 10)
- 3 lay plastic canister with lifter (by 10)
- 4 lay plastic canister with lifter (by 10)
- 5 lay plastic canister with lifter (by 10)
- 6 lay plastic canister with lifter (by 10)

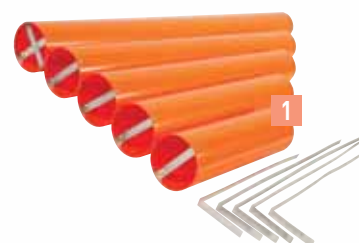
007147

007148

007149

007150

007151



Goblets



	Goblet ø 35 mm (by 50)	Goblet ø 65 mm (by 50)
0.5 ml straw capacity*	110	365
0.25 ml straw capacity*	220	820
WHITE	006934	006418
RED	-	006397
GREEN	-	006754
BLUE	-	006755
PURPLE	-	006757
YELLOW	-	006756
PISTACHIO	-	006753
ORANGE	-	-

Visotubes



Polygonal visotube (by 300)	Hexagonal visotube (by 150)
15	36
30	80
006401	006875
006622	006398
006623	006394
006620	006409
-	-
006624	006414
-	-
006619	006405

* These indicative values can fluctuate depending on the use of the Automatic Counting Machine

Identification rods

0.5 ml identification rod (by 2x100)

White	006762
Red	006763
Grey	006774
Yellow	006331
Pink	006876
Orange (1)	006775

0.25 ml identification rod (by 2x100)

White	006330
Red	006777
Grey	006787
Yellow	006332
Pink	006779
Orange	006786



1

Identifiers and flags (2)

Identifier without flag (by 100)

007145

Flag for canister lifter (by 20x10)

White	007328	Purple	015699
Red	015700	Yellow	015693
Dark green	015696	Pink	015695
Turquoise	015697	Orange	015698
Grey	015706	Salmon	015694



2

Set of two indelible black markers for straw identification (by 4)

014175



Visotubes

	ø 7.1 mm round visotube (by 300)	ø 9.2 mm round visotube (by 300)	ø 10 mm round visotube (by 300)	ø 12 mm round visotube (by 300)	ø 13 mm round visotube (by 300)
0.5 ml straw capacity*	-	5	5	9	10
0.25 ml straw capacity*	5	10	12	23	25
WHITE	006658	006421	005561	006677	006420
RED	006441	006668	006392	006408	006404
GREEN	006659	006390	006406	006679	006413
BLUE	006399	006400	006422	006678	006395
PURPLE	-	-	-	-	-
YELLOW	006412	006423	006402	006695	006411
PISTACHIO	-	-	-	-	-
ORANGE	006662	006667	006673	006683	006689



STRAW COUNTING

Manual Counting Machine M.C.M.

- Easy to use for both standards of straws, simple and entirely autonomous. Doesn't require any power supply. Specially designed for small A.I. studs and custom semen units.

■ Manual counting and packaging machine for 13 mm visotube (1)

007095

- Counting slide for 25 straws 0.25 ml

007826

- Counting slide for 10 straws 0.5 ml

010975

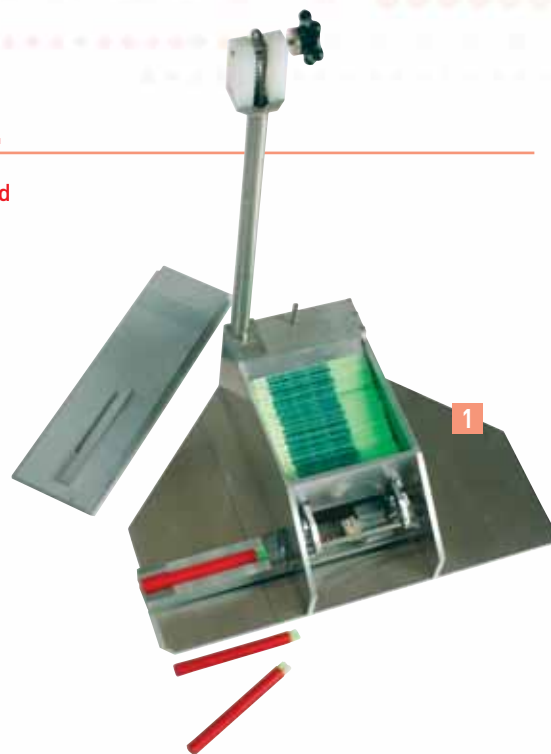
■ Manual counting and packaging machine for 10 mm visotube (1)

- Counting slide for 10 straws 0.25 ml

010998

- Counting slide for 5 straws 0.5 ml

008351

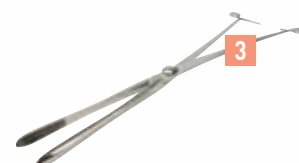


- Short forceps length 23 cm (2)

005524

- Long forceps length 70 cm (3)

005523



Accessories for M.C.A.

- Drum for 35 mm goblet

007099

- Drum for 65 mm goblet

007109

- Drum for hexagonal visotube

007108

- Drum for 7.1 mm visotube

007102

Automatic counting machine (M.C.A.)

■ Automatic counting machine 0.25 ml straws (1) 015691

■ Automatic counting machine 0.5 ml straws (1) 015760

- Easy to use through three switches to control all functions, our automatic counting machine is also reliable and versatile. Two electronic counters guarantee accuracy, the first one selects the number of straws to be packaged in each goblet, the second one selects the number of goblets to be filled. This machine functions in nitrogen vapor at -196°C . Fully automated, once started, it requires no surveillance.



Option for M.C.A.

■ Conversion kit for packaging & counting machine to 0.25 ml straws 007115

■ Conversion kit for packaging & counting machine to 0.5 ml straws 007114

■ Drum for 9.2 mm visotube 007103

■ Drum for 10 mm visotube 007105

■ Drum for 12 mm visotube 007106

■ Drum for 13 mm visotube 007107



SEMEN THAWING

■ Thawing kit (1)

Preset temperature

■ Power supply 12 V for thawing kit

■ 7 litre water bath stainless steel with cover (2)

■ Holder for 20 tubes diameter 20 mm (3)

■ Stainless steel scissors 13 cm

■ Round sterile bottom tubes 10 ml with cap (by 250) (4)

■ Straw cutter (5)

018390

003271

005731

005940

005926

020111

005233



2



3



4



5

SEMEN PRESERVATION AND TRANSPORT



Frozen semen

Gyrotainer is a unique packaging system adapted to ship cryogenically preserved biological samples. Its single use system allows the utmost sanitary environment for the transported samples. High skilled with its gyroscopic structure, Gyrotainer guarantees a perfect verticality for your samples, even if the box is tipped over.

- Capacity: 2.4 l liquid nitrogen
- Loaded weight: 4.5 kg
- Autonomy: 4 days
- Contains either 200 x 0.25 ml straws or 100 x 0.5 ml straws

■ Gyrotainer assembled

019876

■ Gyrotainer (by 6)

019687





INSEMINATION



SHEATH		KOMBICOLOR (3)	0,25ml spiral	0,5ml spiral
for straws (ml)		018396 / 397 / 398 / 399 / 400	007075	007073
		0.25 + 0.5	0.25	0.5
REF	QTY			
UNSPLIT UNIVERSAL (2)				
007500	84000	■	■	■
007499	20000	■	■	■
007498	16000	■	■	■
007497	1000	■	■	■
SPLIT UNIVERSAL (1)				
007495	84000			
007494	20000			
007493	16000			
007492	1000			
SPLIT MEDIUM				
007905	84000			
007503	16000			
007504	1000			
BLUE UNIVERSAL				
007314	1000			

- Sheath container (by 2) 006323
- Palpation gloves (4) (by 1,000) 005137
- Tweezers for technician (by 5) 005278
- Roll of 80 sanitary sleeves length: 530 mm (5) (by 10) 005563
- Syringe container (by 5) 006322
- B-GEL 250 g flask (by 6) 016235





SHEATH		Universal spiral 007072 0.25 + 0.5	0,25 syringe 007070 0.25	0,5ml syringe 007069 0.5	Universal syringe 007071 0.25 + 0.5
for straws (ml)					
REF	QTY				
UNSPLIT UNIVERSAL (2)					
007500	84000	■			
007499	20000	■			
007498	16000	■			
007497	1000	■			
SPLIT UNIVERSAL (1)					
007495	84000		■	■	■
007494	20000		■	■	■
007493	16000		■	■	■
007492	1000		■	■	■
SPLIT MEDIUM					
007905	84000			■	■
007503	16000			■	■
007504	1000			■	■
BLUE UNIVERSAL					
007314	1000				■

Training gun

■ Buzzing training syringe		007081
■ Buzzing syringe sheath	(by 100)	007295
■ Battery 9 V 6F22	(by 2)	001264
■ Small model white clamp	(by 20)	005947



EMBRYO TRANSFER

Embryo collection

Available under different diameters, our collection devices built in stainless steel allow, thanks to the extended ruled catheters, to go deeper in the uterine horn for a higher rate of embryo recovery.

DIAMETER 6 MM FOR COW

■ **3 way collection equipment ø 6 mm - L 580 mm (1)** 006355

■ Flexible tube L 2 m for catheter ø 6 mm (by 5) (2) 007307

■ Extensible black graduated catheter for bovine ET ø 6 mm (by 5) (3) 006358

Spare parts

■ Catheter body 580 mm for collection equipment ø 6 mm (4) 007728

■ T connecting tube or collection equipment ø 6 mm 007244

DIAMETER 8 MM FOR COW

■ **3 way collection equipment ø 8 mm - L 640 mm** 007311

■ Extensible black graduated catheter for bovine ET ø 8 mm (by 5) (5) 007388

■ Flexible tube L 2 m for catheter ø 8 mm (by 5) 007306

Spare parts

■ Catheter body 640 mm for collection equipment ø 8 mm (6) 007830

ACCESSORIES FOR BOTH DIAMETERS 6 & 8 MM

■ Disposable balloons for 3 way collection equipment (by 5) (7) 006448

■ Luer-lock valve for 3 ways catheter 005945

■ Syringe adapter (by 2) 008105

■ Small model white clamp (by 20) 005947



DIAMETER 4 MM FOR HEIFER

■ **2 ways collection equipment ø 4 mm - 510 mm (1)** 007378

■ Disposable cuff for heifer catheter (by 5) (2) 000315

■ Pliers for setting cuff 007799

■ **2 ways Woerlein catheter L 75 cm CH18 non sterile (3)** 005649

■ Chuck for 2 ways Woerlein catheter (4) 005648

■ **2 ways Foley catheter 21" CH18 5 cc sterilized (5)** 017722

■ **2 ways Foley catheter 21" CH20 5 cc sterilized (6)** 017723

■ 24" chuck for Foley catheter CH18 or CH20 (7) 017727

■ Tubing without filter for Foley catheter CH18 or CH20 (by 2) 017724

■ Tubing with filter for Foley catheter CH18 or CH20 (8) 017725

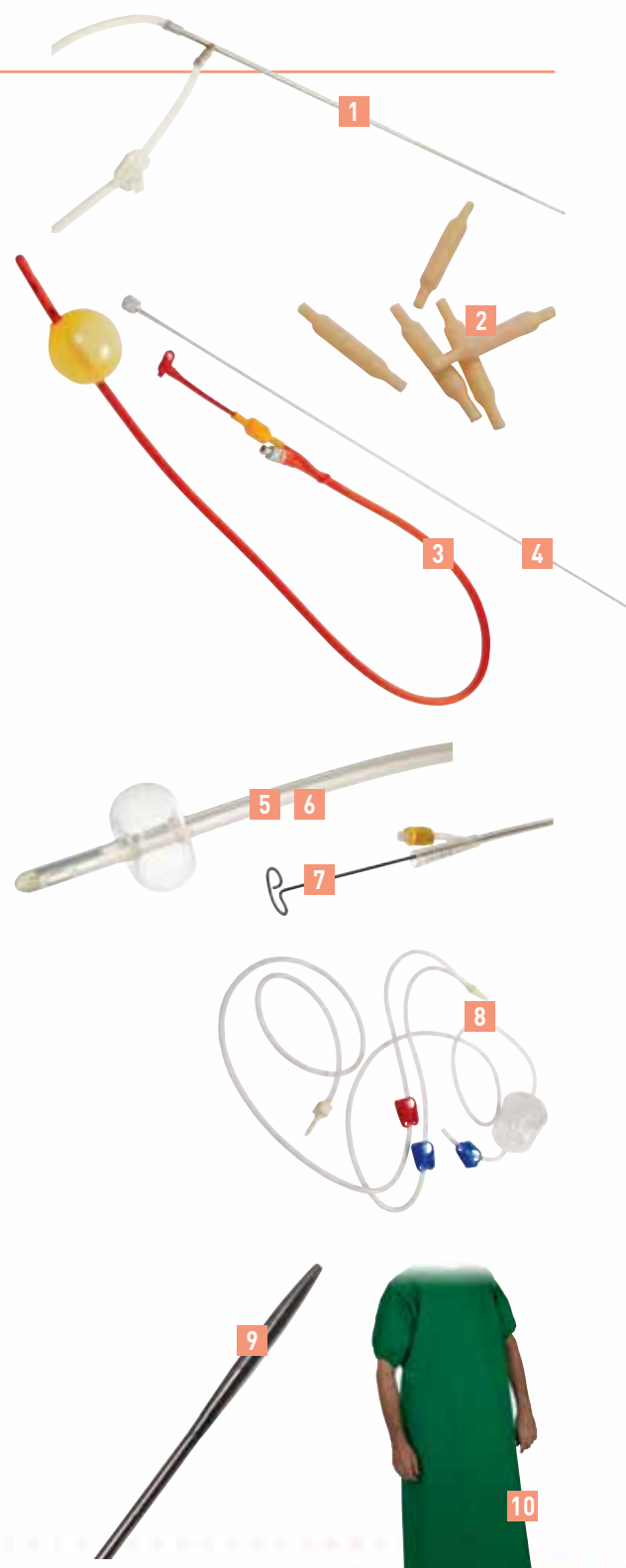
COLLECTION ACCESSORIES

■ Cervix dilator (9) 007245

■ Sensitive yellow ET glove special folding (by 100) 005145

■ Gynaecologic lubricant flask 1,100 g 005906

■ Collection overall PVC coated (10) 005889





EMBRYO TRANSFER

Media

- | | |
|--|--------|
| ■ EUROFLUSH ET medium 1 litre (by 4) (1) | 019450 |
| ■ Embryo holding medium 20 ml (by 4) (2) | 019449 |
| ■ Embryo freezing medium with glycerol 20 ml (by 4) | 019446 |
| ■ Embryo freezing medium with ethylene glycol 20 ml (by 4) | 019447 |
| ■ 1 step embryo thawing medium 20 ml (by 4) | 019451 |
| ■ Embryo thawing kit with glycerol and saccharose | 019448 |



Filtration

- | | |
|--|--------|
| ■ EZ filter for Foley catheters (3) | 017726 |
| ■ 75 µ filter for ET catheter (4) | 005950 |
| ■ Cup filter for ET catheter (5) | 005126 |
| ■ 0.22 m filter for media filtration (by 50) | 005455 |
| ■ ET decanter | 007242 |



Laboratory equipment

- | | |
|--------------------------------------|--------|
| ■ Binocular lens (6) | 015469 |
| ■ Trinocular lens with video adaptor | 015468 |
| ■ 36 cm monitor with colour camera | 016513 |



ACCESSORIES

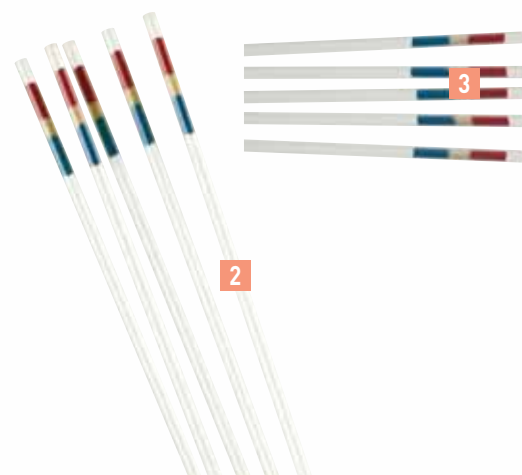
- | | |
|--|--------|
| ■ Bag of 10 irradiated plates 4 wells | 020108 |
| ■ Bag of 10 irradiated plates 6 wells | 020107 |
| ■ Bag of 5 irradiated plates 12 wells (7) | 020103 |
| ■ Bag of 10 plates irradiated PETRI 100x100 mm (by 2x10) (8) | 020104 |
| ■ Bag of 20 plates irradiated PETRI ø 35x10 mm (by 2x20) | 005259 |
| ■ Micropipetter (9) | 014498 |
| ■ Bovine ET irradiated micropipette (by 10x13) | 006324 |



Embryo packaging

IRRADIATED STRAWS

- Direct ET 0,25 ml pastel yellow straws printed DT (by 8x5) (1) 006300
- Flexible ET 0,25 ml 133 mm straws (by 8x5) (2) 006430
- Flexible ET 0,25 ml 91 mm straws (by 8x5) (3) 006431
- Cristal ET 0,25 ml 133 mm straws (by 4x5) 005592
- Cristal ET 0,25 ml 91 mm straws (by 8x5) 006426



NON STERILE STRAWS

- Non radiated flexible ET 0,25 ml 133 mm straws (by 8x5) 006370
- Direct ET 0,25 ml pastel yellow straws to be printed (by 20x5) 015010
- Straw printing 008199

STRAWS SEALING

- sealing powder (bottle of 750 g)



Color	Red	Blue	Yellow	Orange	Green	Purple
Ref	018816	018818	018815	018820	018817	018819

- ET plugging rod

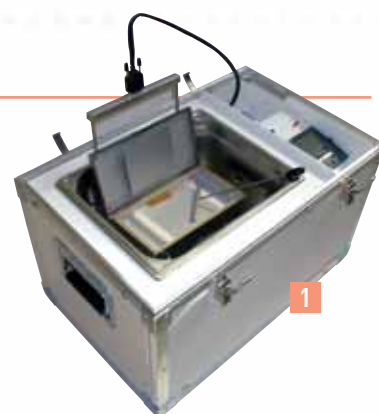
Color	Sterile	Length (mm)	Packaging	Ref
Yellow	yes	13	8x5	007342
Yellow	no	13	2x100	007352
Yellow	yes	48	8x5	007334
Yellow	no	48	100	006470
White	no	48	100	006424
Blue	no	48	100	006328
Pink	no	48	100	006326
Green	no	48	100	006329
Orange	no	48	100	006327
Salmon	no	48	100	007347
Grey	no	48	100	007346



EMBRYO TRANSFER

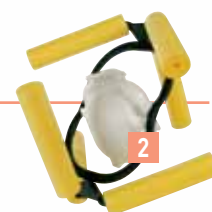
Embryo deep freezing and thawing

- | | |
|---|--------|
| Freezer MS21 (1) | 005491 |
| Freezes 21 x 0.25 ml straws, manual seeding,
uses 4 litre of LN2 per cycle | |
| Thawing kit (see page 30) | 018390 |
| Power supply 12 VCC for thawing kit | 003271 |
| Stainless steel scissors 13 cm sharp ends | 005926 |
| Straw cutter | 005233 |



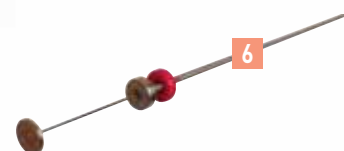
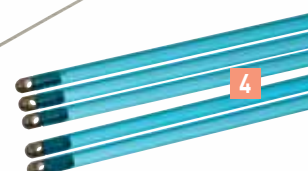
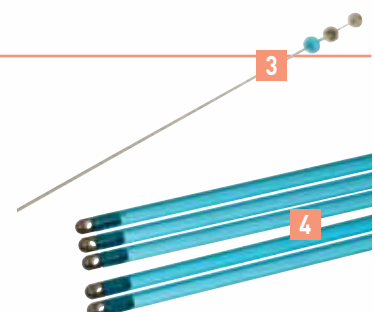
Transportation of frozen embryos

- | | |
|--|--------|
| GYROTAINER assembled (see page 31) (2) | 019876 |
| GYROTAINER (by 6) | 019687 |



Embryo transfer

- | | |
|--|--------|
| ET syringe for ø 3 mm sheath, shallow chamber
for cut straw (3) | 007240 |
| ET syringe for ø 3 mm sheath, deep chamber
for uncut straw (3) | 007246 |
| ET sheath ø 3 mm (by 10x5) (4) | 005540 |
| ET sheath ø 3 mm with sanitary sheath (by 10) (5) | 006384 |
| ET syringe for ø 4,1 mm sheath (6) | 007239 |
| ET sheath ø 4,1 mm (by 10x5) (7) | 006385 |
| Telescopic syringe alone (8) | 007241 |
| Plastic plunger for telescopic syringe (by 50) | 007296 |
| ET sheath for telescopic syringe (by 10x5) | 006380 |
| Aspibryon with plastic tip (by 10x5) (9) | 006454 |
| Roll of 60 sanitary sleeves length: 630 mm (by 10) (10) | 006458 |
| B-GEL / 250 g flask (by 6) | 016235 |



Welcome to our experimental station

La Sapaie

La Sapaie experimental station was inaugurated in 1981 with the aim of furthering deeper research into IMV Technologies' Artificial Insemination and Embryo Transfer products and their practical applications. Right from the outset the station became "the heart" of IMV Technologies, which has advanced in a spectacular fashion thanks to the enthusiasm and devotion of the people who work there, in collaboration with researchers from INRA (French leading Agronomical Research Institute) and from all over the world.

To this research work are added expertise, customer advice, teaching, training and the dissemination of information. Within this programme, thousands of professionals from France and abroad have been trained in insemination and embryo transfer techniques in many species: cattle, pigs, poultry, rabbits, sheep, goats, horses, as well as fish, dogs, cats and even camels.

La SAPAIE experimental station is a practical illustration of IMV Technologies' commitment to the creation, anticipation, encouragement and integration of scientific advances enabling animal reproduction techniques to be developed.



LA SAPAIE EXPERIMENTAL FARM TRAINING COURSES

■ Cattle artificial insemination

Course length: 3 days

■ Bull semen production and freezing

Course length: 3 days

■ Cattle embryo transfer

Course length: 5 days

■ Embryo transfer team health inspection

Course length: 3 days

■ Pig reproduction and artificial insemination management

Course length: 2 days

■ Pig semen freezing

Course length: 2 days

■ Rabbit artificial insemination

Course length: 2 days

■ Sheep artificial insemination

■ Cervical fresh semen production
Course length: 2 days

■ Laparoscopy frozen semen
Course length: 2 days

■ Horse reproduction

■ Fresh semen
Course length: 3 days

■ Frozen semen artificial insemination
Course length: 3 days

■ Horse embryo transfer

Course length: 2 days



■ Poultry artificial insemination

Based upon the species requested, the facilities and the number of trainees, these courses can be organised at either the La SAPAIE experimental farm in France or outside France.

For further information concerning the training carried out at the La Sapaie centre, please contact Agnès Camus:

agnes.camus@imv-technologies.com



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