



# Bovine reproduction biotechnologies





## EDITORIAL



### 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."



[www.imv-technologies.com](http://www.imv-technologies.com)



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.

## SEMEN COLLECTION 5

- Bovine artificial vagina IMV model 5

## SMILE 6

## SEMEN EXAMINATION 8

- Automatic evaluation 8
- Photometric examination 10
- Binocular microscope with objectives 10x - 20x - 40x 11
- Trinocular microscope with objectives 10x - 20x - 40x 11
- Manual evaluation 11

## SEMEN MEDIA 12

- BIOXcell CSS 12
- BULLXcell **NEW** 12
- BIOXcell 13

## STRAWS 14

## STRAW IDENTIFICATION 16

- Automatic Printing Machine MIA Model 16
- Jet Printer with Straw Distributor for Mini straws and Medium straws 17

## SEMEN PACKING 18

- Manual packing 18
- Cold cabinet 18
- Filling and sealing machine MRS1 dual 1x1 19
- Cold cabinet 20
- Integrated system 21
- Filling and sealing machine 4x4 22

## LABORATORY EQUIPMENT 23

## SEMEN FREEZING 24

- Automatic freezing 24

## SEMEN STORAGE 26

- Containers 26
- Canisters 26
- Goblets and visotubes 26
- Identification rods 27
- Identifier and flag 27

## STRAW COUNTING 28

- Manual Counting Machine M.C.M. 28
- Automatic counting machine (M.C.A.) 29

## SEMEN THAWING 30

## SEMEN QUALITY CONTROL 31

- Flow cytometry **NEW** 31

## INSEMINATION 32

- Sheaths and syringes 32
- Training gun 33

## EMBRYO TRANSFER 34

- Embryo collection 34
- Media 36
- Filtration 36
- Laboratory equipment 36
- Embryos packaging 37
- Embryo deep freezing and thawing 38
- Transportation of frozen embryos 38
- Embryo transfer 38

## Bovine artificial vagina IMV model 005417



## Consumables

- Rough neoprene liner for bovine (by 10) (1) 005332
- Rough latex liner for bovine (by 10) (2) 005330
- Smooth neoprene liner for bovine (by 10) 005331
- Smooth latex liner for bovine (by 10) 005329



## Accessories

- Cone for bovine vagina (by 10) (3) 005204
- Protective felt cover for bovine vagina (4) 005346
- Pyrex 15 ml graduated collection tube (by 10) (5) 005351
- Silicone plug for 15 ml collection tube (by 25) 005415
- 15 ml conical sterile tube with blue plug (by 125) 017693
- Protective felt cover for collection tube (by 5) (6) 005347
- Gynaecologic lubricant flask 1,100 g 005906
- B-GEL / 250 g flask (by 6) 016235
- Super sensitive gloves 1x1 (by 20x100) 021085
- Super sensitive gloves (by 15x100) 021086
- Sensitive gloves (by 15x100) 021091

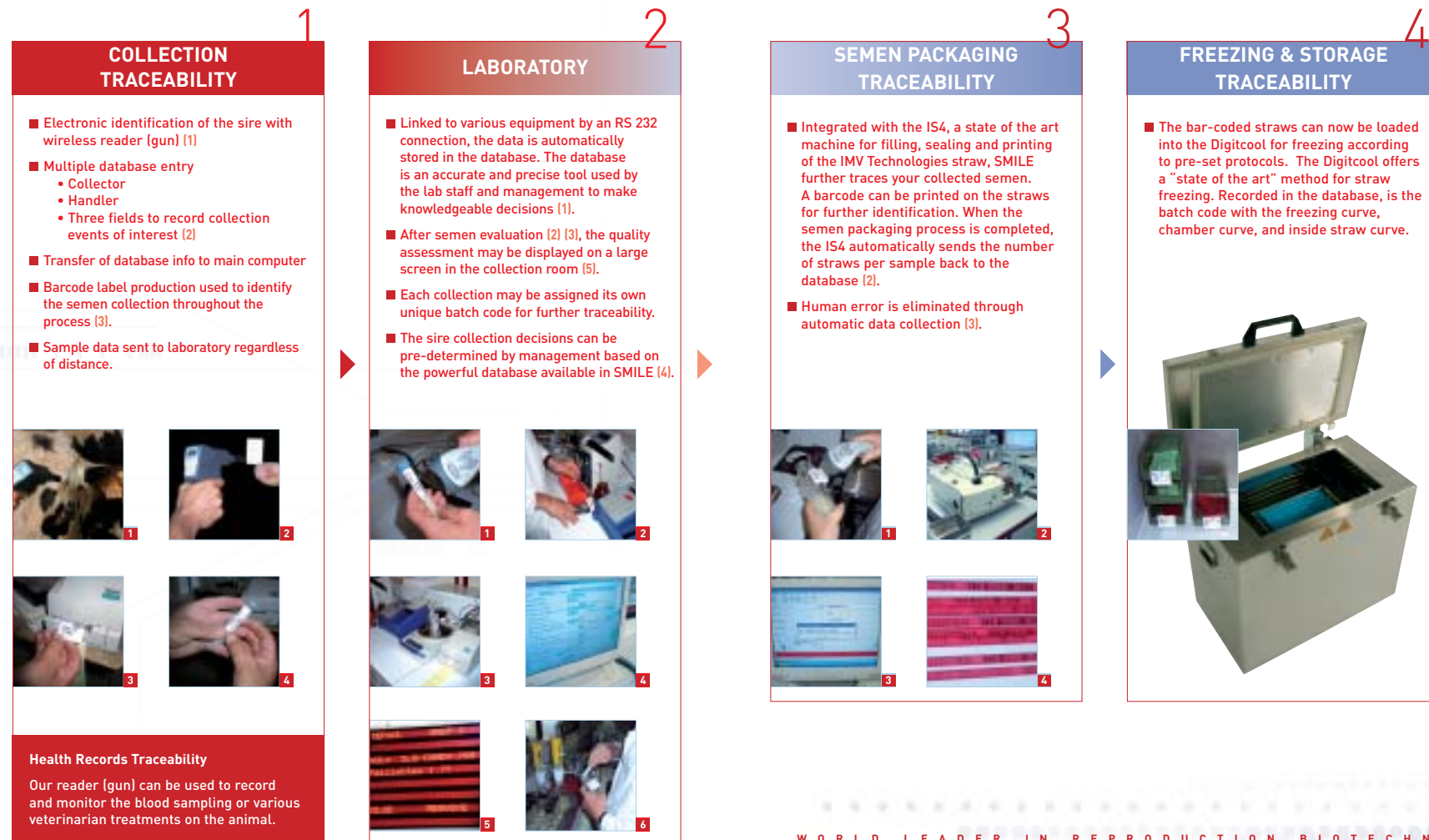


# SMILE - SOFTWARE FOR THE MANAGEMENT OF THE INTEGRATED LABORATORY ENVIRONMENT



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

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.





# 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

■ Clinical filing software



018556

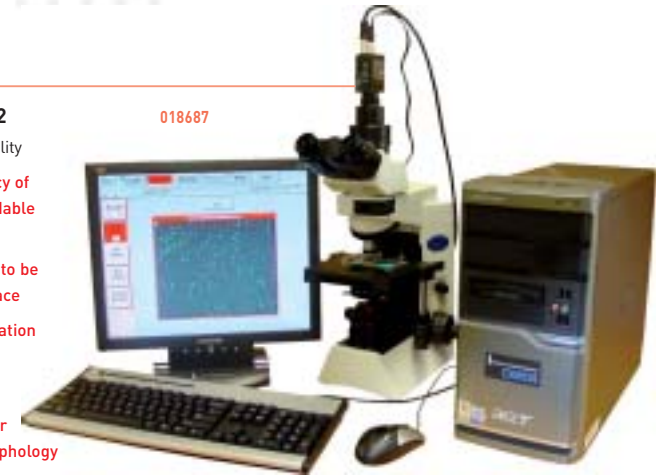
### ■ CEROS semen analyser version 12

018687

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



## Accessories for IVOS and CEROS

■ Leja 8 chambers slides (1)

022272

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

020110

■ 0.5 to 5 ml micropipette MP5000 (2)

005529

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

005206

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

020100



1



2



3

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

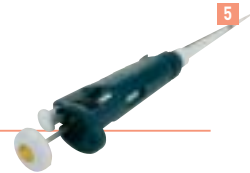
005531

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

005530

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

005208



5



6



7



# 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

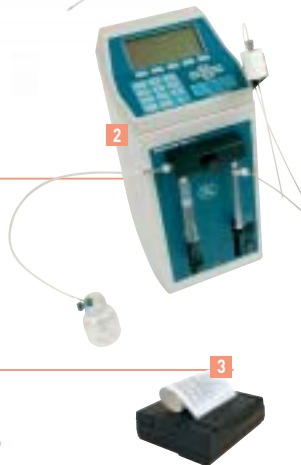


## Photometric options

- 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



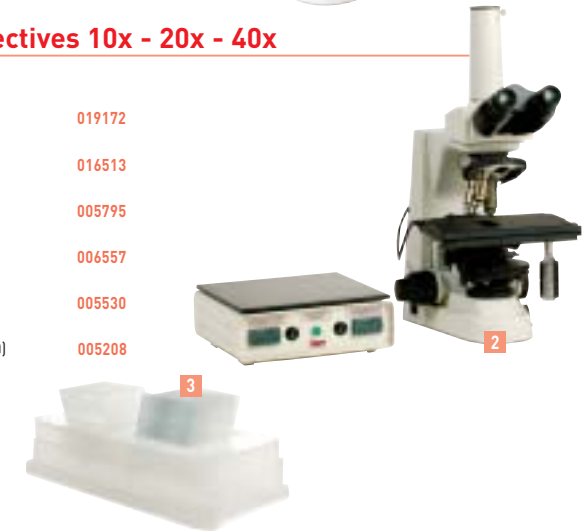
## Binocular microscope with objectives 10x - 20x - 40x

- **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



## BULLXcell NEW

- 250 ml BULLXcell™ QSF 1,250 ml (by 10) [3] 022325

The new standard for bovine semen cryopreservation

- Secure results: exclusive proven formula
- In-vitro results: thermo resistance sperm test and motility higher than other commercial and home-made extenders
- Optimal protection of the sperm cells: tris buffer. High fertility also at sub-optimal concentration. Safe for low dilution bulls
- Guaranteed stability: 0.22 µm filter-sterile concentrate, tested by an independent laboratory. Stable for 2 years at ambient temperature
- Time-saving: liquid concentrate. Add 3 volumes of pure water and 1 volume of egg yolk (QSF 1,250 ml)
- Quality: mManufactured under cGMP by the IMV laboratory: ISO 9001: 2008



- 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
<b>Medium straws</b>			
	clear	(by 2,000)	005569
	red	(by 2,000)	005702
	green	(by 2,000)	005568
	purple	(by 2,000)	005703
	yellow	(by 2,000)	005707
	salmon	(by 2,000)	005715
	putty coloured	(by 2,000)	005711
	pistachio	(by 2,000)	005746
	pink	(by 2,000)	005712
	pastel red	(by 2,000)	005709
	pastel green	(by 2,000)	005710
	pastel blue	(by 2,000)	005697
	pastel grey	(by 2,000)	005698
	pastel yellow	(by 2,000)	005590
	pastel orange	(by 2,000)	005685



STRAWS	COLOR	QUANTITY	REFERENCE
<b>Mini straws</b>			
	clear	(by 2,000)	005565
	green	(by 2,000)	005570
	purple	(by 2,000)	005573
	yellow	(by 2,000)	005578
	pink	(by 2,000)	005581
	light blue	(by 2,000)	005680
	salmon	(by 2,000)	005582
	putty coloured	(by 2,000)	005585
	pastel pistachio green	(by 2,000)	019179
	pastel red	(by 2,000)	005567
	pastel blue	(by 2,000)	005584
	pastel grey	(by 2,000)	005577
	pastel yellow	(by 2,000)	005575
	pastel orange	(by 2,000)	005580



### Top Bull Straws

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



### Fresh Semen Straws\*

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



\*Specific plastic unsuitable for freezing





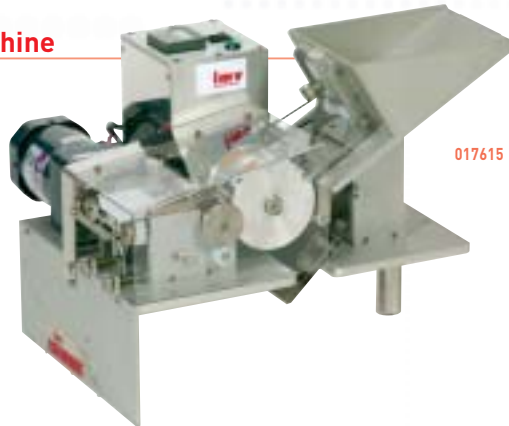
# STRAW IDENTIFICATION



## Automatic Printing Machine

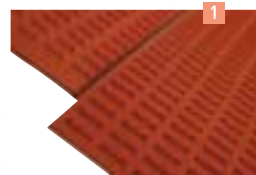
### MIA Model

- 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
- For Mini and Medium straws.



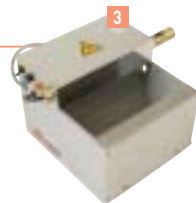
017615

- 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 Mini straw distributor G10 008018
- Hopper for Medium straw distributor G10 007037
- Antistatic hopper {3} 007028



## Jet Printer with G10 Straw Distributor for Mini and Medium straws

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



Medium straws 019575

Mini Straws 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
- Mini filling nozzle 20 pins 007298
- Medium filling nozzle 15 pins 007297
- Clip 20 Mini straws 007009
- Clip 15 Medium straws 007008
- Rubber for clip 20 Mini straws (by 10) 007875
- Rubber for clip 15 Medium straws (by 10) 007876
- Stainless steel bubbler holder 007116
- Mini bubbler with filling nozzle (by 25) 006936
- Medium bubbler with filling nozzle (by 25) 006935



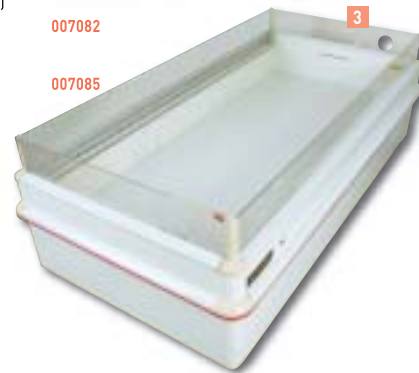
## SEALING POWDER (2)

- 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



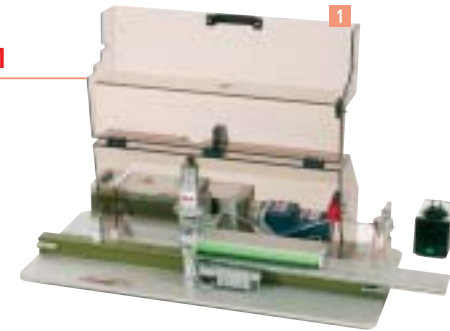
## Cold cabinet

- 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

- Mini and Medium 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 Mini straws carrier for MRS1DUAL 007111
  - 58 Medium straws carrier for MRS1 (2) 007725
  - 100 Mini straws carrier for MRS1DUAL 007110
  - 100 Medium straws carrier for MRS1 007724
  - Joint white rubber (by 5 metres) 000012
  - Mini irradiated disposable filling nozzle (by 2x60) 005562
  - Medium irradiated disposable filling nozzle (by 2x60) (3) 006437
- or reusable filling needles:
- Mini long filling nozzle (by 10) 007704
  - Medium long filling nozzle (by 10) (4) 007703
  - Mini short filling nozzle (by 10) 007706
  - Medium short filling nozzle (by 10) (5) 007705
  - Semen cone (by 4x65) (6) 005533
  - Flexible tube for semen filling (by 20x60) 005564
  - Medium tightness plug (by 5,000) 010240
  - Medium semen sampling tube (by 1,000) 006451





# SEMEN PACKAGING



## Cold cabinet

- Vertical cold cabinet for L 2 m x h 1.8 m for MRS and IS4 (1) 018544



## Integrated system

- IS4 Mini with Jet Printer LINX (1) 019792
- IS4 Medium with Jet Printer LINX 019794
- IS4 Mini without Jet Printer 017403
- IS4 Medium 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 12,500 per hour

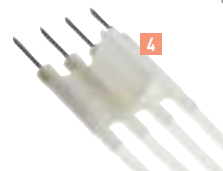
Computer controlled, its advanced printing system enables bar codes to be printed along with other standard information, guaranteeing traceability of all processed ejaculates. User friendly, the IS4 is completely enclosed and its design sets new standards for user comfort with very little noise.

- 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.

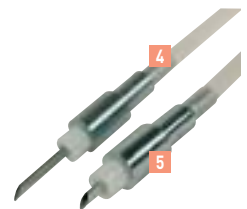
## IS4/MRS4 accessories

- 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
- 4-way mini straw disposable needles (4) 019764
- Medium straw irradiated disposable filling nozzle (by 2x60) 006437



or reusable filling needles:

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





**Filling and sealing machine 4 x 4**

- MRS4 Medium 019995
- MRS4 Mini 019996

- Output: 14,500 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.

- 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)** 007227  
supplied with stand for baby flasks and tubes
- 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 Medium straws or 420 x Mini straws

007261

■ Freezing rack for 70 Mini straws

007122

■ Distribution block for 70 Mini straws

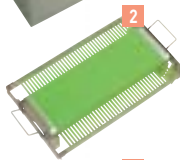
007088

■ Freezing rack for 40 Medium straws (2)

007119

■ Distribution block for 40 Medium straws (3)

007093



### ■ Mini-Digitcool for 24 racks (4)

1,392 x Medium straws or 2,400 x Mini straws

007263

■ Freezing rack for 100 Mini straws

007121

■ Distribution block for 100 Mini straws

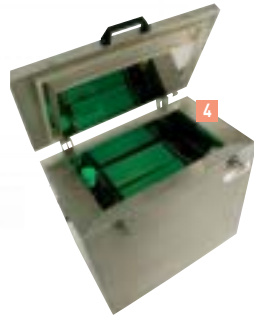
007090

■ Freezing rack for 58 Medium straws

007118

■ Distribution block for 58 Medium straws

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 Medium straws or 5,250 x Mini straws

007262

■ Freezing rack for 175 Mini straws (2)

007120

■ Distribution block for 175 Mini straws (3)

007089

■ Freezing rack for 100 Medium straws

007117

■ Distribution block for 100 Medium straws

007091

■ 60 l tank with flexible + casters + gauge for Mini & Micro-Digitcool

020086

■ 120 l tank with flexible + casters + gauge

007223

■ 200 l tank with flexible + casters + gauge

007222



## 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

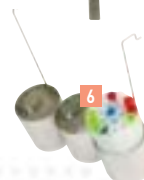
007124

■ Stand for 65 mm goblet (5)

007127

■ Work basket 3 places for 65 mm goblets (6)

007136





# SEMEN STORAGE

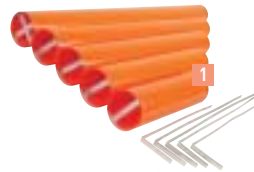


## Containers

■ All sizes and capacities available on request

## Canisters (1)

- 2 lay plastic canister with lifter (by 10) 007147
- 3 lay plastic canister with lifter (by 10) 007148
- 4 lay plastic canister with lifter (by 10) 007149
- 5 lay plastic canister with lifter (by 10) 007150
- 6 lay plastic canister with lifter (by 10) 007151



## Identification rods

- |  |  |
|--|--|
| ■ Medium identification rod (by 2x100)               | ■ Mini identification rod (by 2x100)             |
| White <span style="float: right;">006762</span>      | White <span style="float: right;">006330</span>  |
| Red <span style="float: right;">006763</span>        | Red <span style="float: right;">006777</span>    |
| Grey <span style="float: right;">006774</span>       | Grey <span style="float: right;">006787</span>   |
| Yellow <span style="float: right;">006331</span>     | Yellow <span style="float: right;">006332</span> |
| Pink <span style="float: right;">006876</span>       | Pink <span style="float: right;">006779</span>   |
| Orange (1) <span style="float: right;">006775</span> | Orange <span style="float: right;">006786</span> |



## Identificators and flags (2)

- Identificator without flag (by 100) 007145
- Flag for canister lifter (by 20x10)
 

White <span style="float: right;">007328</span>	Purple <span style="float: right;">015699</span>
Red <span style="float: right;">015700</span>	Yellow <span style="float: right;">015693</span>
Dark green <span style="float: right;">015696</span>	Pink <span style="float: right;">015695</span>
Turquoise <span style="float: right;">015697</span>	Orange <span style="float: right;">015698</span>
Grey <span style="float: right;">015706</span>	Salmon <span style="float: right;">015694</span>
- Set of two indelible black markers for straw identification (by 4) 014175



## Goblets



	Goblet ø 35 mm (by 50)	Goblet ø 65 mm (by 50)
Medium straw capacity*	110	365
Mini 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)
Medium straw capacity*	15	36
Mini straw capacity*	30	80
WHITE	006401	006875
RED	006622	006398
GREEN	006623	006394
BLUE	006620	006409
PURPLE	-	-
YELLOW	006624	006414
PISTACHIO	-	-
ORANGE	006619	006405

## 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)
Medium straw capacity*	-	5	5	9	10
Mini 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

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

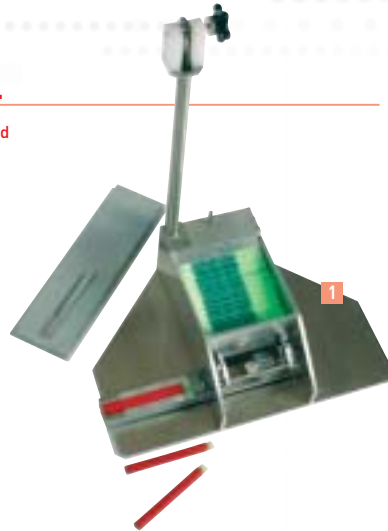


# STRAW COUNTING

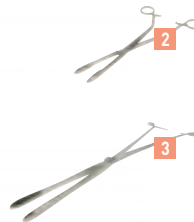
## Manual Counting Machine M.C.M.

■ 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 Mini straws 007826
- Counting slide for 10 Medium straws 010975
- **Manual counting and packaging machine for 10 mm visotube (1)**
- Counting slide for 10 Mini straws 010998
- Counting slide for 5 Medium straws 008351



- Short forceps length 23 cm (2) 005524
- Long forceps length 70 cm (3) 005523



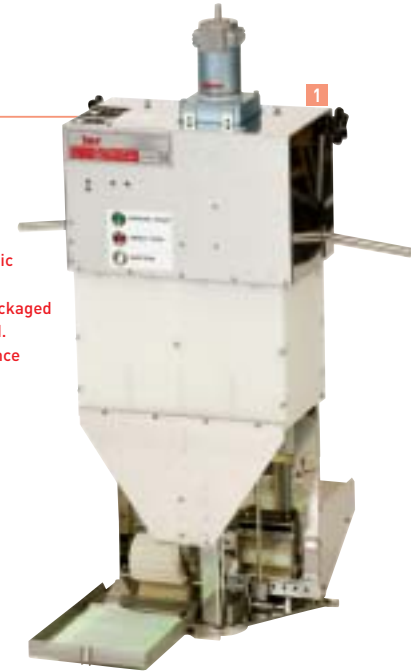
## Accessories for M.C.A.

- 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 Mini straws (1)** 015691
- **Automatic counting machine Medium 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 Mini straws 007115
- Conversion kit for packaging & counting machine to Medium 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

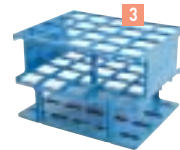
005731

005940

005926

020111

005233



## SEMEN QUALITY CONTROL

### Flow cytometers

You want to:

- Positively discard a semen ejaculate whose quality is not good enough to market
- Certify the quality of a semen ejaculate
- Improve the management and productivity of your sires

Semen quality control: a large panel of evaluation tests (bacterial concentration, mitochondria integrity, viability, acrosome membrane integrity, DNA fragmentation...)

■ **EasyCyte Plus**  
 Dimensions : LxdxH = 16 in x 22 in x 13 "  
 Weight : 71 lbs (excluding laptop)  
 Analysis in 96 well plates or tubes  
 3 filters

021633

■ **EasyCyte Mini**  
 Dimensions : 15 in x 18 in x 9 "  
 Weight : 50 lbs (excluding laptop)  
 Analysis with tubes  
 3 filters

021634



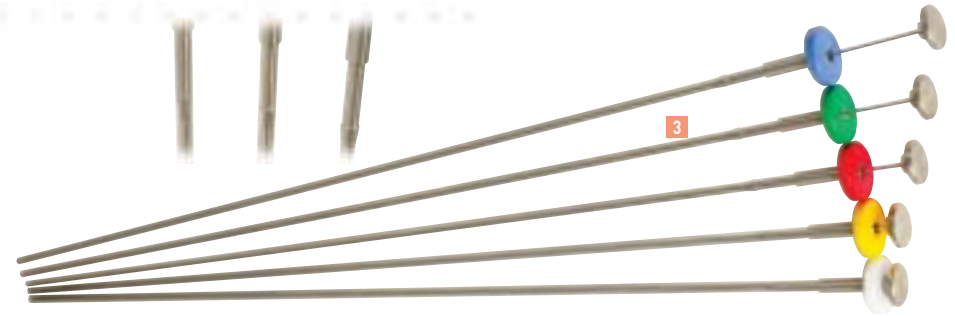
### Consumables

- "Flow Cell" for EasyCyte Plus 021766
- "Flow Cell" for EasyCyte Mini 021765
- "Flow Cell" cleaning tool 021767
- Microtubes 1.5 ml 021768
- EasyCyte Check kit 021770
- Microtubes 500 µl 021771
- Greiner wells (96) 021772
- Multichannel pipette (12) 021773
- Tip for multichannel pipette 021774
- Container for multichannel pipette 021775
- Pipette P200 021776
- Tip for pipette P200 021777





# INSEMINATION



SHEATH		KOMBICOLOR (3)	Mini spiral	Medium spiral
for straws		018396 / 397 / 398 / 399 / 400	007075	007073
		Mini+Medium	Mini	Medium
REF	QTY			
<b>UNSPLIT UNIVERSAL (2)</b>				
007500	84000	■	■	■
007499	20000	■	■	■
007498	16000	■	■	■
007497	1000	■	■	■
<b>SPLIT UNIVERSAL (1)</b>				
007495	84000			
007494	20000			
007493	16000			
007492	1000			
<b>SPLIT MEDIUM</b>				
007905	84000			
007503	16000			
007504	1000			
<b>BLUE UNIVERSAL</b>				
007314	1000			

SHEATH		Universal spiral	Mini syringe	Medium syringe	Universal syringe
for straws		007072	007070	007069	007071
		Mini+Medium	Mini	Medium	Mini+Medium
REF	QTY				
<b>UNSPLIT UNIVERSAL (2)</b>					
007500	84000	■			
007499	20000	■			
007498	16000	■			
007497	1000	■			
<b>SPLIT UNIVERSAL (1)</b>					
007495	84000		■	■	■
007494	20000		■	■	■
007493	16000		■	■	■
007492	1000		■	■	■
<b>SPLIT MEDIUM</b>					
007905	84000			■	■
007503	16000			■	■
007504	1000			■	■
<b>BLUE UNIVERSAL</b>					
007314	1000				■

- Sheath container (by 2) 006323
- Gloves of excavation (4) (by 1000) 005137
- Tweezers for technician (by 5) 005278
- Roll of 80 sanitary sleeves length: 530 mm (3) (by 10) 005563
- Syringe container (by 5) 006322
- B-GEL 250 g flask (by 6) 016235



## 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

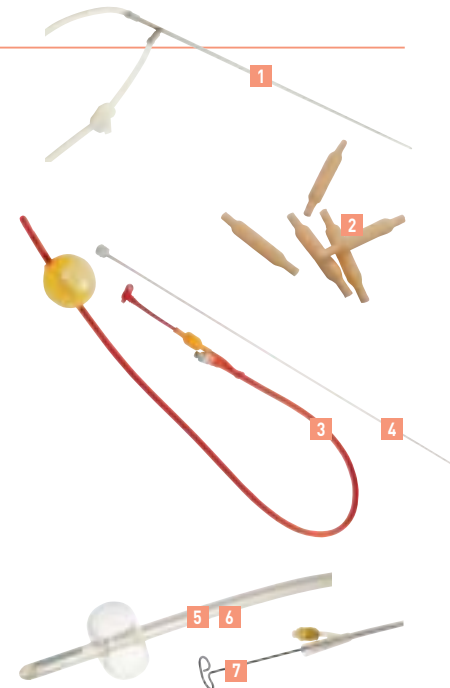
■ **2 ways Foley catheter 21" CH18 5 cc sterilized (5)** 017722

■ **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

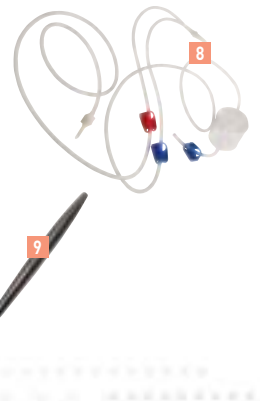


### COLLECTION ACCESSORIES

■ Cervix dilator (9) 007245

■ Super sensitive gloves 1x1 (by 20x100) 021085

■ Gynaecologic lubricant flask 1,100 g 005906





# 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

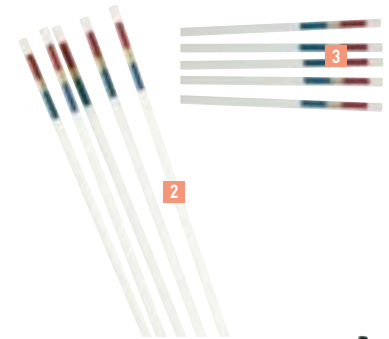
### IRRADIATED STRAWS

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



### NON STERILE STRAWS

- Non radiated flexible ET Mini 133 mm straws (by 8x5) 006370
- Direct ET Mini 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



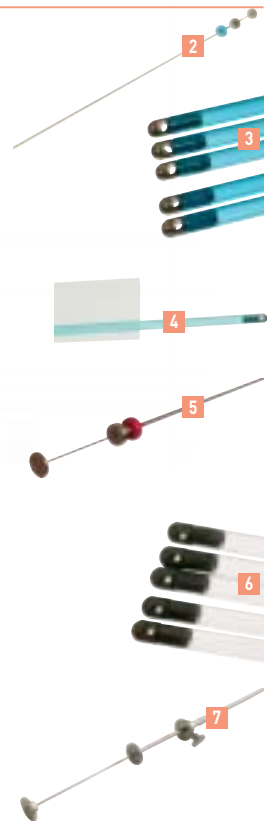
## Embryo deep freezing and thawing

- Freezer MS21 (1) 005491  
Freezes 21 x Mini 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



## Embryo transfer

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



## IMV in the world



## 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 Guy Delhomme: [guy.delhomme@imv-technologies.com](mailto:guy.delhomme@imv-technologies.com)

