



Connected to

.....
POULTRY REPRODUCTION
BIOTECHNOLOGIES

www.imv-technologies.com



Artificial insemination (AI) plays an important role in the reproductive strategies of avian species. Throughout time, AI has been developed extensively to control and improve reproduction in avian species. The practice of AI has increased the effectiveness of breeding programs by optimizing the genetic potential of superior sires while decreasing the male: female ratio in turkeys, chickens, ducks, guinea-fowl and geese. In meat-type breeders, performing AI nearly eliminates the need to select males who are compatible with females based on size, therefore facilitating the selection for sex-specialized traits. Artificial insemination has also greatly improved the reproductive success of intergenetic crosses involved in the production of mule ducks and hybrid raptors. The use of AI in the production of these species eliminates the need for simultaneous presence of males and females from the same species to stimulate ovulation.

IMV Technologies' renowned expertise in Research and Development, along with the long-lasting partnership with public research institutions has resulted in a variety of unique products dedicated to artificial insemination of avian species. The goal of this catalogue is to provide you with the necessary information to help you in choosing the best products for semen collection, semen handling, and insemination based on your species of interest. Additionally, it will provide you with contact information for your regional representative.

Feel free to contact us with any questions you may have. We will be more than happy to provide one-on-one guidance in product selection, giving you a truly customized choice of products.

Dr Jean Pierre Brillard,
Poultry Physiologist

SEMEN EXAMINATION 4-6

Flow cytometric analysis
 Next generation casa systems
 Photometric analysis
 Microscopes
 Manual evaluation
 Laboratory accessories



TURKEY 7-9

Semen collection
 Conservation semen media
 Insemination
 Poultry chair



GUINEA FOWL 10-11

Semen collection
 Conservation semen media
 Insemination



HEN 12-13

Semen collection
 Conservation semen media
 Insemination
 Pedigree hen



DUCK 14

Semen collection
 Conservation semen media
 Insemination

WORKSHOP 15

SEMEN EXAMINATION

FLOW CYTOMETRIC ANALYSIS

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Benefits of flow cytometry:

- Highest ejaculate quality selection
- Male management tool
- Semen quality certification
- Complete traceability



A voyage inside the cell

Bench-top flow cytometer for sperm analysis

- IMV unique ready-to-use protocols
- Intuitive software package
- Scientific technical support
- Easy-to-use technology



EasyCyte II Plus with IMV Cytosoft	022841
EasyCyte II Mini with IMV Cytosoft	022843
EasySoft and EasyComDNA software	024842

Technical support for EasyCyte (5 hours) 025093

ACCESSORIES FOR EASYCYTE

EasyKit viability and concentration (480 analysis)	024708
EasyKit mitochondrial activity (480 analysis)	024864
EasyKit molecule oxidation D (480 analysis)	025157
EasyKit viability and acrosome integrity (480 analysis)	025293
EasyKit kit bacterial count (240 analysis)	025402
Filter for EasyKit (per 100)	025563
EasyClean washing solution (4 bottles)	024760
EasyBuffer A 100 ml flask (4 bottles)	022162
EasyBuffer C 100 ml flask (4 bottles)	025438



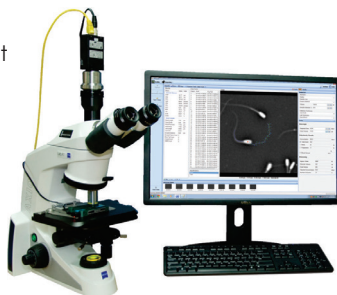
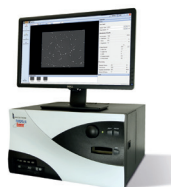
024708



024760

Next Generation CASA Systems IVOS II and CEROS II

Standardization
Objective & reliable measurement
Accuracy and repeatability
Traceability
Multiparameters
Decision-making tool



IVOS II SEMEN ANALYZER 024911
CEROS II SEMEN ANALYZER 024905

ACCESSORIES FOR CASA SYSTEM

Barcode reader for IVOS II	025097
Electronic balance for IVOS II	025021
Slide 8 chambers holder for IVOS II	025095



Disposable Leja counting chambers offer you the most reliable, quick, and accurate solution!

Leja 8 chambers slides (by 4 x 25)	025108
Leja 4 chambers slides (by 4 x 25)	025107



PHOTOMETRIC ANALYSIS

Accucell poultry photometer	014439
Accuread rooster and turkey photometer	019953
Accuread duck photometer	019952



019952



014439

PHOTOMETER CONSUMABLES

Cuvette for photometers (by 5 x 120)	005155
50 ml flask of NaCl solution 9/1000 (by 10)	015988
250 ml flask of NaCl solution 9/1000 (by 10)	002259

MICROSCOPES



024374

TRINOCULAR OBJECTIVES 10X - 20X - 40X

Trinocular microscope NIKON with warm stage PHC ACH	024374
36 cm monitor with color camera	016513

BINOCULAR OBJECTIVES 10X - 20X - 40X

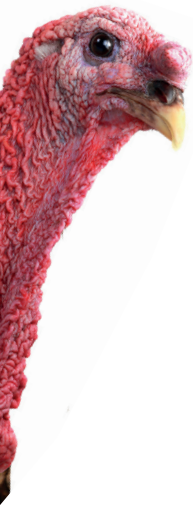
Binocular microscope with warm stage PHC	023939
Binocular microscope NIKON with warm stage ACH	016744

MANUAL EVALUATION

Manual counter	005671
Thoma cell, double squaring	005786
Slides 22x22 mm (by 2 x 10)	020105

LABORATORY ACCESSORIES

Greiner plate 96 well	021772
Microtube 500 µl	021771
Microtube 1,5 ml	021768
Multichannel pipette	021773
Tip for multichannel pipette (x 960)	021774
Container for multichannel pipette (x 100)	021775
Pipette P2 from 0,1 to 2 µl	021776
Tip for pipette P2 (x 1 000)	021777
Pipette P20 from 2 to 20 µl	005530
Pipette P200 from 50 to 200 µl	005531
Tips for pipette P20 and P200 (x 1 000)	005208
Pipette P5000 from 1 to 5 ml	005529
Tips for pipette P5000 (x 334)	005206
Filters for MP5000 micropipette (x 100)	020100
Adjustable micropipette MP50 from 5 to 50 µl with 1 000 clear tips	005928
Clear tips for micropipette MP50 (x 1 000)	020101
Rack for 7 micropipettes	005555



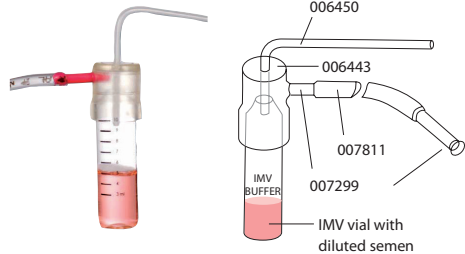
TURKEY



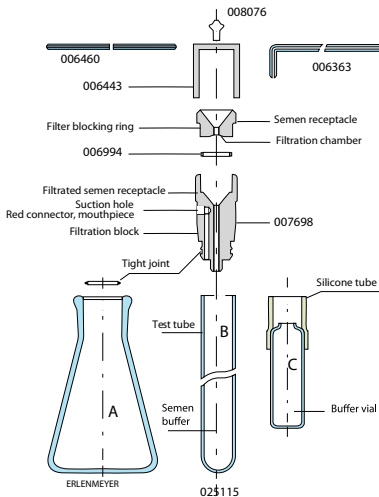
SEMEN COLLECTION

COLLECTION WITHOUT FILTRATION

Disposable semen collector 5 ml (by 2 x 25)	006442
Disposable semen collector 10ml (by 2 x 25)	006443
Tube for disposable collector 5 & 10 ml (by 100)	006450
Tubing (by 10)	007811
Suction tips (by 20)	007299
IMV recisperm 13 ml graduated tube (by 1 000)	025115
IMV semen mixer	005338

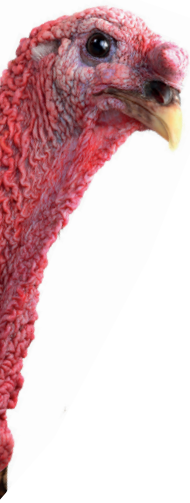


COLLECTION WITH FILTRATION



Filtering block with cap	007698
Flask of 50 Mill filters	006994
Knobs for blue sheaths (by 10 x 10)	008076
Disposable 10 ml semen collector (by 2 x 25)	006443
Tube for disposable collector 5 & 10 ml (x 100)	006450
Tubing (x 10)	007811
Suction tips (x 20)	007299
IMV recisperm 13 ml graduated tube (x 1 000)	025115
Clear plug for IMV recisperm tube (x 1 500)	005263





CONSERVATION SEMEN MEDIA

2.5 ml turkey media (x 100)	002262
4 ml media (x 50)	020070
5 ml media (x 50)	020071
50ml OVODYL media (x 10)	016549
25 ml media (x 10)	017059



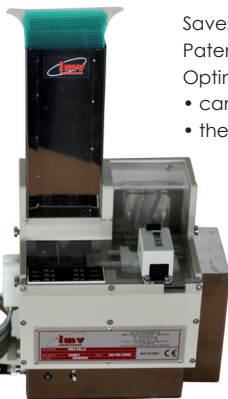
016549



INSEMINATION

1 - WITH STRAWS

Semi-automatic right 50 µl M.R.A. with counter	007155
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- Saves time
 Patented pumping system for a regular dosage
 Optimized sanitary security:
- can be immersed in a liquid soap solution
 - the electric block can be showered

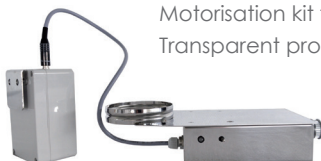
Pump syringe for
M.R.A. filling machine

007161



OPTIONS M.R.A

Motorisation kit for M.R.A.	019250
Transparent protective cover	007693



CONSUMABLES

70 mm straw (by 100 x 1 000)

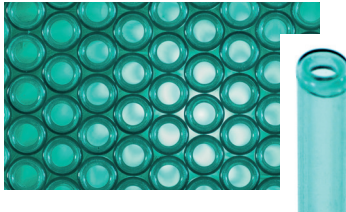
006929

Sucking tube length 260 mm 50 µl

006445

12 stainless steel needles M.R.A.

007692



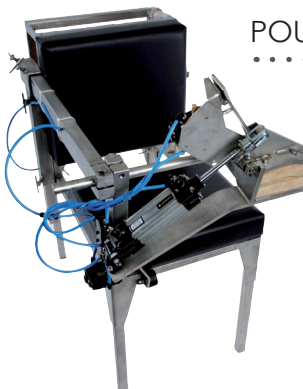
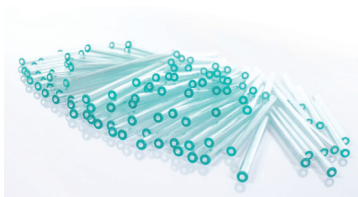
2 - WITH TUBES (length 102 mm)

Poultry tubes (x 10 000)

025682

Pneumatic IA gun

025691



POULTRY CHAIR

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Right hand poultry AI chair

005184

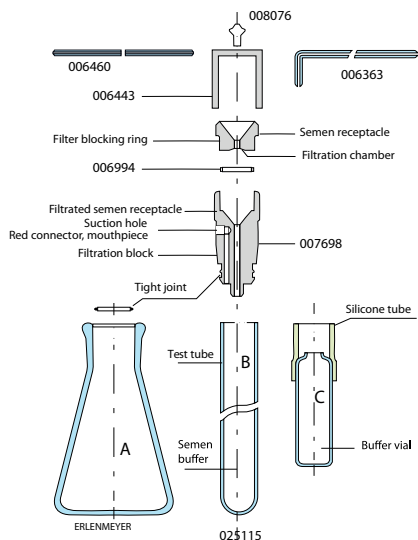
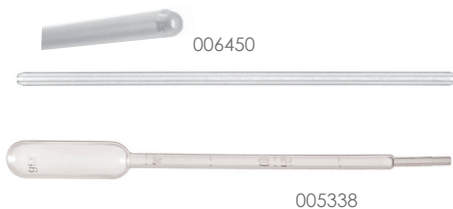
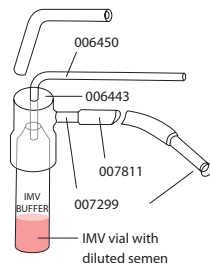


GUINEA FOWL

SEMEN COLLECTION

COLLECTION WITHOUT FILTRATION

- Disposable semen collector 5 ml (by 2 x 25) 006442
- Disposable semen collector 10ml (by 2 x 25) 006443
- Tube for disposable collector 5 & 10 ml (x 100) 006450
- Tubing (x 10) 007811
- Suction tips (x 20) 007299
- IMV recisperm 13 ml graduated tube (x 1 000) 025115
- IMV semen mixer 005338



COLLECTION WITH FILTRATION

- Filtering block holder for 5 ml and 10 ml vials 015483
- Filtering block with cap 007698
- Flask of 50 Mlll filters 006994
- Knobs for blue sheaths (by 10 x 10) 008076
- Disposable 10 ml semen collector (by 2 x 25) 006443
- Tube for disposable collector 5 & 10 ml (x 100) 006450
- Tubing (x 10) 007811
- Suction tips (x 20) 007299
- IMV recisperm 13 ml graduated tube (x 1 000) 025115
- Clear plug for IMV recisperm tube (x 1 500) 005263



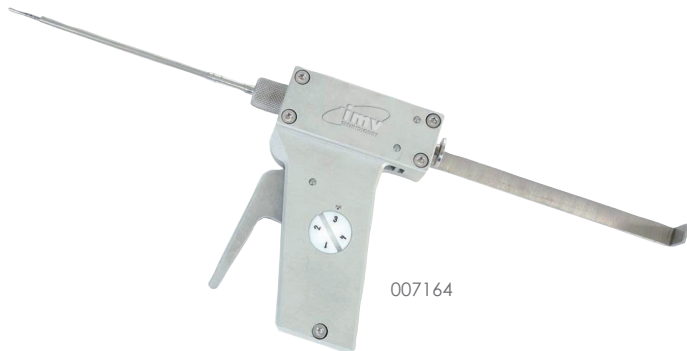
CONSERVATION SEMEN MEDIA

2,5 ml guinea-fowl media (x 100 ampoules)	022165
1.5 ml guinea-fowl media with Ciprofloxacin (x 100 ampoules)	002267
1 ml guinea-fowl media (x 100 ampoules)	002263



INSEMINATION

AI gun for medium straw with volumetric system	007164
Medium guinea fowl hen «P» straws (by 10 x 100)	006926
Guinea fowl-hen sheath with insert (by 100 x 100)	006933
Tips 115mm for AI gun	021950



007164



006933



006926



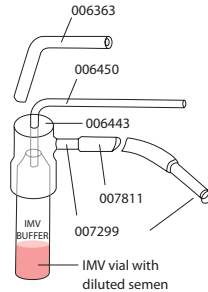


HEN

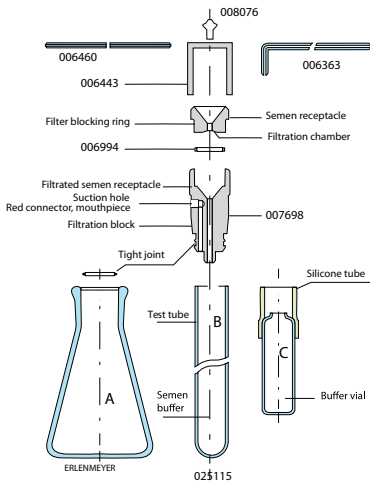
SEMEN COLLECTION

COLLECTION WITHOUT FILTRATION

Disposable semen collector 5 ml (by 2 x 25)	006442
Disposable semen collector 10ml (by 2 x 25)	006443
Tube for disposable collector 5 & 10 ml (x 100)	006450
Gallus catheter (by 2 x 50)	006363
Tubing (x 10)	007811
Suction tips (x 20)	007299
IMV recisperm 13 ml graduated tube (x 1 000)	025115
IMV semen mixer	005338



COLLECTION WITH FILTRATION



Filtering block holder for 5 ml and 10 ml vials	015483
Filtering block with cap	007698
Flask of 50 Mill filters	006994
Knobs for blue sheaths (by 10 x 1 0)	008076
Disposable 10 ml semen collector (by 2 x 25)	006443
Tube for disposable collector 5 & 10 ml (x 100)	006450
Tubing (x 10)	007811
Suction tips (x 20)	007299
IMV recisperm 13 ml graduated tube (x 1 000)	025115
Clear plug for IMV recisperm tube (x 1 500)	005263



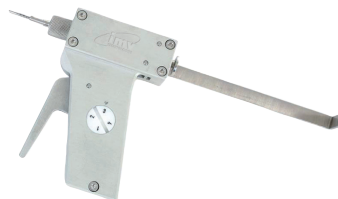
CONSERVATION SEMEN MEDIA

4 ml poultry media (x 50 vials) 020070



INSEMINATION

AI gun for 1.2 ml straw with volumetric system 007163



Poultry straws 1.2 ml \varnothing 4.1 x L 132 mm (by 70 x 50) 005591
Semen sucker for 1.2 ml straw 008584

PEDIGREE HEN

1 grinded end pedigree straw 70 mm (by 100 x 1 000) 006299
AI shelf for hen 007173
Left leg-holder for hen 007171
Right leg-holder for hen 007172
Shelf for cock with one leg-holder 007158



006299



007173



007172



DUCK

SEMEN COLLECTION

Duck collector
005340



Conservation double
wall vessel 8 ml
014721

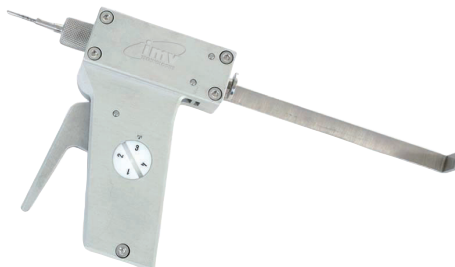
CONSERVATION SEMEN MEDIA

- | | |
|---|--------|
| 5 ml poultry media (x 50 ampoules) | 020071 |
| 25 ml Canadyl duck media (x 10 flasks) | 002268 |
| 25 ml Canadyl duck media with Ciprofloxacin (x 10 flasks) | 015482 |



INSEMINATION

AI gun for 1.2 ml straw with
volumetric system
007163



Poultry straws 1.2 ml \varnothing 4.1 x L 132 mm (by 70 x 50) 005591

On site complete poultry reproduction workshop

024105

DAY 1

AM :

Theoretical workshop :

- Male physiology
- Semen collection
- Semen analysis
- Semen processing
- Female physiology
- Insemination



PM :

Practical wetlab :

Practice on semen collection ,
dilution, analysis and preservation

DAY 2

AM +PM

Practical wetlab on semen analysis
and insemination

Poultry semen processing workshop

024106

Theoretical workshop :

- Male physiology
- Semen collection
- Semen analysis
- Semen processing
- Female physiology
- Insemination



IMV Technologies France

ZI n°1 Est - 61300 L'Aigle
+33 (0)233 346 464
www.imv-technologies.com
contact@im

IMV Technologies U.S.A.

11725 95th Avenue North
Maple Grove, MN 55369
+1 763 488 1881
www.imvusa.com
contact@imvusa.com

IMV Technologies Italy

Via Stefano Merli
29122 Piacenza
+39 0523 36 00 10
www.imv-technologies.it
info@imv-technologies.it

IMV Technologies India

Plot No 750, Phase V, Udyog Vihar
Gurgaon 122016 (Haryana)
+91 124 400 44 30/31/32
www.imvindia.com
contact@imvindia.com

IMV Technologies China

12F, Unit A. No. 400,
Pudian Road, Pudong
200122 - Shanghai - China
+86 21 50586948
www.imvchina.com
contact@imvchina.com

IMV Technologies Netherlands

Amperestraat 4
8912 AD Leeuwarden
+31 58 2123279
www.nifa.nl
info@nifa.nl

