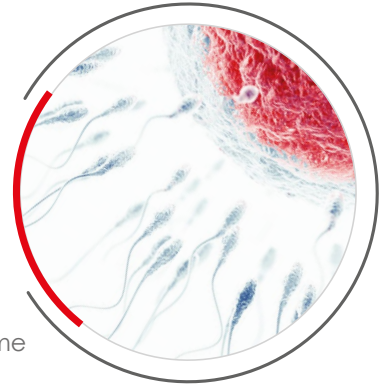




# Field application services



IMV TECHNOLOGIES. FOR LIFE.



### INNOVATION. FOR LIFE.

In 1963, Robert Cassou founded IMV Technologies and set the standard for semen storage and insemination with the revolutionary «French Straw».

Since then, we've approached every new solution with the same innovative spirit as he did.

Today, we are still leaders in applied and disruptive technologies. We not only make things; we also improve things that already exist.

### TECHNOLOGY. FOR LIFE.

Curiosity is one of our main drivers. We're never satisfied with the status quo. From semen collection to wireless ultrasound, this philosophy is why our technology is accepted and relied upon around the world.

Beyond technology, we create state-of-the-art techniques and programs to support its implementation.

### SUSTAINABILITY. FOR LIFE.

Life is nothing without the planet we call home. That's why in everything we do, we push to implement sustainable practices that minimize our carbon footprint. It's not just our stated corporate responsibility. It is our life.

We challenge ourselves with new thinking that drives toward sustainable food sources for future generations. Through the use of our technologies, we believe land resources can be more efficiently managed and agriculture can become more sustainable. We aim to preserve Earth's abundance and beauty.

We have a genuine desire to make a positive impact.

### REPRODUCTION. FOR LIFE.

For over 60 years, we've been at the leading edge of artificial insemination technology. Over time, we've evolved to become more than an artificial insemination company. Our reproductive biotechnologies, which have become the standard across the globe, touch every aspect of reproduction, including collecting gametes, confirming pregnancy and managing data.

With an exponentially growing population, abundant and sustainable food sources are critical. Our technologies make this possible. This notion is a driving force behind IMV Technologies.

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# More than training

***Practical training • Expert guidance •  
Customized programs • Global and Remote support •  
Continuous Improvement***

**We don't just train your team, we help you continuously improve your laboratory or farm performance through expert guidance and long-term support.**

- Customized training programs tailored to your needs
- Practical, hands-on learning
  - Biological and technical expertise
  - Standardized protocols and best practices
  - Training on-site or at IMV Technologies facilities
  - Remote and on-site process reviews
  - Multi-species expertise
  - Global Field Application network

## **Want to learn more?**

Access our knowledge resources and connect with our experts:

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

✉ [academy@imv-technologies.com](mailto:academy@imv-technologies.com)

## Trusted by professionals

“

IMV Technologies must be proud to have someone of your **professional and human value**. The work was complex and difficult, but your **attitude and aptitude in the face of the challenges** that arose, and that you solved so brilliantly, resulted in an **exceptional week of work**. We hope this will be the beginning of a long journey with IVOS in our laboratory.”

Bovine AI center, Spain

“

This annual on-site CASA training and maintenance, combined with monthly remote reviews from the Field Application team, has changed the way we manage quality. Today, we **detect issues before they impact production**. This continuous support has **increased our team's expertise**, made us more proactive, and ultimately **improved the quality of the product we deliver**.”

Swine AI center, Canada

“

I appreciate the knowledge you shared, but I really want to **compliment you on how you shared with us**. You didn't overwhelm us but had **good practical points that we could implement right away**, and some goals to reach in the future. Because you were so positive, the team didn't feel like they were being scolded. They felt very comfortable with your suggestions and have **embraced the idea of improvement** instead of “we have always done it this way.”.

Bovine AI center, United States

## Turning expertise into results

**1,000+** trainings and technical support missions delivered across **60+ countries**

### Examples of outcomes achieved with our customers:

- **Reduced semen dose rejection rates and increased dose production**  
(Swine AI center, North America)
- **Improved sperm concentration accuracy from 90% to >95%**  
(Bovine AI center, Americas)
- **Successfully transitioned several bovine AI centers from protein-based extenders to OptiXcell**  
(Europe)



# Field application consulting



## AI stud optimization review - 1 up to 8 days on site

Ref. 030656

### Aim

Provide a comprehensive assessment of the entire semen production process or targeted modules focused on specific operational areas. Each review is designed to identify opportunities to improve efficiency, consistency, semen quality, and overall production performance through practical, measurable recommendations prioritized by operational impact.

### Duration

**1 day minimum and up to 8 days**  
(can be split over multiple sessions if required). The scope and duration are defined according to the selected modules and customer needs.

### Site

At the customer's facilities

### Audience

All participants involved in semen production (Daily operational individuals, Lab managers)

### Participants

Not applicable

### Pre-requisite

Provide access to the facilities and procedures for the objective of the visit.

### Registration deadline

4 weeks before the Review

Contact us for a personalized program.

### Content

Please, within the content below, choose the topics of interest:

- **Collection Management Review**  
Evaluate semen collection procedures, equipment, staff techniques, and workflow to improve collection efficiency, consistency, safety, and semen quality. *ie. Staff workflow, collection technique, protocol review, equipment sanitation, etc.*
- **Male Management Review**  
Assess male management practices that influence semen production, fertility, welfare, and collection performance. *ie. Biosecurity, male performance optimization, etc.*
- **Critical Point Analysis**  
Systematically evaluate each step of the semen production process to identify critical control points where quality loss or variability occurs. *i.e: Temperature profile assessment*
- **Laboratory Efficiency Review**  
Evaluate laboratory procedures and workflow to maximize productivity while maintaining consistent semen quality. *ie. Lab layout and workflow assessment, staff training opportunities, etc.*
- **Dose Quality Control & Discard Rate Review**  
Analyze dose semen performance and production losses to identify opportunities to improve usable output and reduce unnecessary discards throughout the storage period. *ie. root cause analysis of discard rates, review of dose quality and morphology, recommendations, etc.*

The review is fully customizable. Modules and specific topics can be selected and combined to address your specific objectives where support is most needed.

### Learning Tools

Expectations from the Review is planned prior to the onsite visit. At the end of the review, participants will receive an action plan (corrective and/or preventive) as well as concrete solutions at short, mid and long-term.

### Materials provided:

Review report

### Certificate

Not applicable



# Ultrasound scanning



## Imaging expertise - 1 day on site

Ref. 030434

### Aim

Provide on-demand Field Application expertise to support reproductive imaging, optimize ultrasound performance, and assist with image acquisition, interpretation, and troubleshooting.

### Duration

#### 1 day minimum

The scope and duration are defined according to the selected modules and customer needs.

### Site

At the customer's facilities

### Audience

All professionals involved in reproductive ultrasound examinations (veterinarians, technicians, reproduction specialists, researchers).

### Participants

Max. 3 participants

### Pre-requisite

Owning an IMV Technologies ultrasound system.

### Registration deadline

4 weeks before the training

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

This is an on-demand expert support service. The examples below illustrate typical topics and will be adapted to your specific questions and objectives.

#### Examples of topics that can be covered include:

- Complete system setup and optimization for new or existing ultrasound equipment
- Image optimization and adjustment of ultrasound settings for different species and applications
- Practical guidance on scanning techniques and image interpretation
- Troubleshooting image quality or equipment-related issues
- Review of ultrasound examinations and discussion of challenging cases
- Customized support to optimize diagnostic accuracy and workflow

Our catalogue is not exhaustive. As we work daily with practitioners in the field, we can provide customized training and expert support tailored to your specific objectives.

### Learning Tools

Not applicable

### Certificate

Not applicable



# Semen analyser training



## Contract biological services - 2 days on site

Ref. 030258

### Aim

Combine a service contract for your CASA system with customized biological training, delivering both equipment maintenance and continuous competency development for your team.

### Duration

#### 1.5 days minimum

*The scope and duration are defined according to the selected modules and customer needs*

### Site

At the customer's facilities

### Audience

All participants involved in semen quality evaluation (Daily operational individuals, Lab managers)

### Participants

Not applicable if multisites visits

### Pre-requisite

Owning a CASA equipment from IMV Technologies.

### Registration deadline

4 weeks before the training

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

This is an on-demand service. The examples below illustrate typical activities and can be fully adapted to your objectives.

#### **CASA maintenance (2–4 hours depending on equipment condition)**

##### **Includes both technical and biological maintenance:**

- Software updates and data backup (if requested)
- Equipment and optical system cleaning
- Replacement of wear parts
- Review of previous semen analyses (playback, focus, settings)
- Calibration and configuration verification
- Standardization of settings across multiple sites

#### **Biological review and expert support**

##### **Examples include:**

- Multi-site performance review to verify accuracy, repeatability, and operator consistency
- Troubleshooting of technical and biological issues
- Review of daily laboratory procedures
- Identification of critical control points and recommendations for improvement

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the service, the CASA system will be maintained and verified. Participants will understand the impact of pipetting and analysis setup on CASA results. Participants will be able to perform daily quality checks and routine procedures with greater confidence and consistency.

#### **Materials provided:**

Powerpoint, poster, report (if applicable)

### Certificate

Not applicable



## Semen analysis expertise - 1 day on site

Ref. 026349

### Aim

Provide on-demand Field Application expertise to support semen analysis, optimize CASA performance, and resolve technical or analytical questions.

### Duration

#### 1 day minimum

*The scope and duration are defined according to the selected modules and customer needs.*

### Site

At the customer's facilities

### Audience

All participants involved in semen quality evaluation (Daily operational individuals, Lab managers)

### Participants

Not applicable

### Pre-requisite

Owning a CASA equipment from IMV Technologies.

### Registration deadline

4 weeks before the training

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

This is an on-demand expert support session. The topics below are examples only and will be adapted to your specific questions and objectives.

#### Examples of topics that can be covered include:

- Complete system setup and calibration for new or existing CASA or cytometry systems.
- Comprehensive training for your team and newcomers on sperm analysis and data interpretation
- Semen pipetting training and pipetting exercises to use with your team
- Customized system optimization to ensure accurate and reproducible results based on your workflow
- Specific tests (fluorescence protocols or sort options)
- Guidance to set up semen analysis protocols and experimental plans, from study design to data interpretation
- Analysis based on our Motility Ratio method (Camus, 2024) for a more robust assessment of sperm motility

Each session is fully customized based on your questions, laboratory situation, and operational needs.

### Learning Tools

Not applicable

### Certificate

Not applicable

#### Reference:

Camus, A., Rouillon, C., Gavin-Plagne, L. et al. The Motility Ratio method as a novel approach to qualify semen assessment. Sci Rep 14, 27932 (2024). <https://doi.org/10.1038/s41598-024-79500-1>



## Semen analysis expertise - 1h remote

Ref. 028839

### Aim

Provide on-demand Field Application expertise to support semen analysis, optimize CASA performance, and resolve technical or analytical questions.

### Duration

1h

### Site

Remote

### Audience

All participants involved in semen quality evaluation (Daily operational individuals, Lab managers).

### Participants

Not applicable

### Pre-requisite

Owning a CASA equipment from IMV Technologies.

### Registration deadline

Not applicable

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

This is an on-demand expert support session. The topics below are examples only and will be adapted to your specific questions and objectives.

#### Examples of topics that can be covered include:

- Quick troubleshooting for software glitches or basic hardware questions
- Remote assistance for calibration adjustments (i.e. sperm recognition after cleaning the system) and resolving data inconsistencies
- Step-by-step guidance on analysis setup or result interpretation for specific tests (fluorescence protocols or sort options)
- Guidance for research labs to set up semen analysis protocols and experimental plans, from study design to data interpretation
- Analysis based on our Motility Ratio method (Camus, 2024) for a more robust assessment of sperm motility

Each session is fully customized based on your questions, laboratory situation, and operational needs.

### Learning Tools

Not applicable

### Certificate

Not applicable

#### References:

Camus, A., Rouillon, C., Gavin-Plagne, L. et al. The Motility Ratio method as a novel approach to qualify semen assessment. Sci Rep 14, 27932 (2024). <https://doi.org/10.1038/s41598-024-79500-1>



## Installation training IVOS Pro, CEROS II, SCA - 2 days on site

Ref. 026346

### Aim

Understand and master each step of semen analysis on a computer-Assisted sperm Analyser such as IVOS Pro, CEROS II or SCA

### Duration

2 days

### Site

At the customer's facilities

### Audience

Daily operational individuals, DVM's, Scientists, Lab managers

### Participants

Max. 6 participants

### Pre-requisite

Purchase of a CASA equipment from IMV Technologies  
All the future users of the equipment should be attending. Participants should have a willing to learn and to practice on laboratory equipments. For this training, raw semen, fresh and frozen doses semen of good and bad quality with different concentrations (if known) are needed. Warming stage, tubes, tips, extender and calibrated micropipettes are mandatory.

### Registration deadline

8 weeks before the training

If you need only one topic to tackle, please refer to our semen analysis expertise references: 1 day on site (Ref. 026349) or 1h remote (Ref. 028839).

### Content

#### Day 1:

- Unpacking the system
- Administrative information and hardware overview
- Presentation of the different screens and functions
- Demonstration of the daily procedure
- Definition of specific setups for dilution and cutoff values
- Recommendation on pipetting, diluting, loading a slide
- Exercise on dilution rate and pipetting
- Maintenance and cleaning

#### Day 2:

- Practising on your own in routine conditions with checkpoints
- Extraction and personalization of a report
- Extraction of the database and excel table from different requests
- Questions and troubleshooting
- Save a backup and important information about softwares
- Signature of documents
- Discussion for exercises with personalised recommendations

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will understand the impact of pipetting on semen quality, will be able to prepare, pipette and analyse samples, to use the multiple features of software and hardware and perform basic troubleshooting.

### Materials provided:

Presentations in PowerPoint or pdf format  
A4 and A3 posters

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Installation training IVOS Pro, CEROS II, SCA - 4h x 2 remote

Ref. 030616

### Aim

Installing and be able to understand the features of a computer-Assisted sperm Analyser such as IVOS Pro, CEROS II or SCA

### Duration

4h x 2 sessions

### Site

Remote

### Audience

Daily operational individuals, DVM's, Scientists, Lab managers

### Participants

Max. 6 participants

### Pre-requisite

Purchase of a CASA equipment from IMV Technologies

The main users of the equipment should be attending. Participants should have a willing to learn and to practice on laboratory equipment. For this training, raw semen, fresh and frozen doses semen of good and bad quality with different concentrations (if known) are needed. Warming stage, tubes, tips, extender and calibrated micropipettes are mandatory.

### Registration deadline

4 weeks before the training

If you need only one topic to tackle, please refer to our semen analysis expertise references: 1 day on site (Ref. 026349) or 1h remote (Ref. 028839).

### Content

#### Session 1 (4h):

- Unpacking the system
- Administrative information and hardware overview
- Presentation of the different screens and functions

#### Session 2 (4h):

- Demonstration of the daily procedure
- Explanation of the setup, dilution ratio and cutoff values
- Maintenance and cleaning
- Extraction of a report

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will be able to follow the daily procedure and will have an overview on CASA features (software and hardware).

### Certificate

Attendance certificate will be delivered.



## Installation training IVOS II SCA FLUO - 3 days on site

Ref. 026347

### Aim

Understand and master each step of semen analysis on a computer-Assisted sperm analyser on a fluorescent-option IVOS II or SCA

### Duration

3 days

### Site

At the customer's facilities

### Audience

Daily operational individuals, DVM's, Scientists, Lab managers

### Participants

Max. 6 participants

### Pre-requisite

Purchase of a CASA equipment from IMV Technologies.

All the future users of the equipment should be attending. For this training, raw semen, fresh and frozen doses semen of good and bad quality with different concentrations (if known) are needed. Warming stage, tubes, tips, extender and calibrated micropipettes are mandatory.

### Registration deadline

8 weeks before the training

If you need only one topic to tackle, please refer to our semen analysis expertise references: 1 day on site (Ref. 026349) or 1h remote (Ref. 028839).

### Content

#### Day 1:

- Unpacking the system
- Administrative information and hardware overview
- Presentation of the different screens and functions
- Demonstration of the daily procedure
- Definition of specific setups for dilution and cutoff values
- Recommendation on pipetting, diluting, loading a slide
- Exercise on dilution rate and pipetting

#### Day 2:

- Fluorescence dyes preparation and application
- Analysis with fluorescence dyes and the FLUO modules
- Questions and troubleshooting
- Maintenance and cleaning

#### Day 3:

- Practising on your own in routine conditions with checkpoints
- Extraction and personalization of a report
- Extraction of the database and excel table from different requests
- Save a backup and important information about softwares
- Signature of documents
- Suggestions for exercises with personalised recommendations

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will understand the impact of pipetting on semen quality, will be able to prepare, pipette and analyse samples with or without fluorescence, to use the multiple features of software and hardware and perform basic troubleshooting.

### Materials provided:

Presentations in PowerPoint or pdf format  
A4 and A3 posters

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Installation training EASYCYTE - 2 days on site

Ref. 026348

### Aim

Understand and master each step of semen analysis on a cytometer such as EasyCyte

### Duration

2 days

### Site

At the customer's facilities

### Audience

Daily operational individuals, DVM's, Scientists, Lab managers

### Participants

Max. 6 participants

### Pre-requisite

Purchase of a CASA equipment from IMV Technologies  
All the future users of the equipment should be attending. Participants should have a willing to learn and to practice on laboratory equipments. For this training, raw semen, fresh and frozen doses semen of good and bad quality with different concentrations (if known) are needed. Incubator, tubes, tips, extender and calibrated micropipettes are mandatory.

### Registration deadline

8 weeks before the training

If you need only one topic to tackle, please refer to our semen analysis expertise references: 1 day on site (Ref. 026349) or 1h remote (Ref. 028839).

### Content

#### Day 1:

- Hardware overview
- EasyCyte cleaning procedure
- Calibration with EasyCheck preparation
- Procedure for semen analysis with Easykit and software overview

#### Day 2:

- Data analysis on InCyte Software
- Data extraction and saving methods
- Practising on your own on different Easykits
- Daily cleaning routine and EasyCyte turn off
- Maintenance and transportation guidelines
- Questions and troubleshooting
- Save a backup and important information about softwares
- Signature of documents
- Discussion and suggestions for exercises with personalised recommendations
- Discussion, conclusion

\*Option: DNA compaction test, report and export on eSmile, Advanced level with InCyte

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will understand the impact of pipetting on semen quality, will be able to prepare, pipette and analyse samples, to use the multiple features of EasyCyte and perform basic troubleshooting.

### Materials provided:

Presentations in PowerPoint or pdf format  
A4 and A3 posters

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



# Bovine training



## Bovine reproduction training - 1 day on site

Ref. 024102

### Aim

Obtain theoretical and practical guidelines from semen collection to semen dilution, freezing and/or packaging, and/or semen analysis to insemination in bovine species.

### Duration

1 day

### Site

At the customer's facilities

### Audience

DVM's, Scientists, breeding technicians

### Participants

Max. 8 participants

### Pre-requisite

No pre-requisite

### Registration deadline

8 weeks before the training

\*This training includes a global overview of how and when using a CASA. If you need a specific practical training on CASA, please refer to our installation (Ref. 026346, 026347, 030616), training (Ref. 026349) or support (Ref. 028839) references.

### Content

Please, within the content below, choose 2 topics for one day of training:

Theoretical explanation, demonstration and practising with the help of the trainer of either:

- ☐ Bull Management
- ☐ Semen collection procedures
- ☐ Basics in sperm physiology for barn staff
- ☐ Sperm physiology including critical quality point understanding for lab staff
- ☐ Basics in semen evaluation by photometry and CASA\* and introduction to flow cytometry
- ☐ Manual sperm morphology theory
- ☐ Manual sperm morphology hands-on
- ☐ Medium preparation and Semen dilution
- ☐ Basics in Cryobiology, Packaging, freezing and storage
- ☐ Semen thawing and quality control
- ☐ Oestrus management – Fertility visits
- ☐ Insemination of frozen-thawed semen

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have an overview of the semen processing steps with recommendations and do/don't.

### Materials provided:

Presentations in PowerPoint or pdf format  
A4 standard operating procedures poster

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Bovine semen processing training - 3 days on site

Ref. 024101

### Aim

Understand and apply each step from semen dilution, freezing and packaging, as well as semen analysis and insemination in bovine species.

### Duration

3 days

### Site

At the customer's facilities

### Audience

DVM's, Scientists, breeding technicians

### Participants

Max. 8 participants

### Pre-requisite

Purchase of a CASA equipment from IMV Technologies  
Basic understanding of bovine reproduction and prior experience in handling laboratory procedures.

### Registration deadline

8 weeks before the training

\*This training includes a global overview of how and when using a CASA. If you need a specific practical training on CASA, please refer to our installation (Ref. 026346, 026347, 030616), training (Ref. 026349) or support (Ref. 028839) references.

### Content

#### Day 1:

#### Theoretical explanation and demonstration of

- Advantages of artificial breeding
- Semen collection procedures
- Basics in semen evaluation by photometry and CASA\*
- Introduction to flow cytometry
- Medium preparation
- Basics in cryobiology
- Semen dilution, packaging, freezing and storage
- Semen thawing and quality control

#### Day 2 and 3:

#### Self-practice on each of the above topics

- Practising with the help of the trainer
- Practising on your own with checkpoints
- Discussion and suggestions for exercises with personalised recommendations

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have not only an overview of the semen processing steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

#### Materials provided:

Presentations in PowerPoint or pdf format  
A4 standard operating procedures poster

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Bovine ultrasound introduction training - 2 days on site

Ref. 030653

### Aim

Provide participants with the fundamental knowledge and practical skills to confidently perform ultrasound examinations in cattle for pregnancy diagnosis, basic ovarian assessment, and reproductive tract evaluation.

### Duration

2 days

### Site

At the customer's facilities

### Audience

Veterinarians, technicians, breeders, and beginners involved in bovine reproductive management.

### Participants

Max. 8 participants

### Pre-requisite

Having at least one ultrasound equipment from IMV Technologies

The customer must provide:

A room for the theoretical session

1 ultrasound unit per 4 participants

Approximately 10-20 cows at different reproductive stages (open, early pregnant, and pregnant)

Ultrasound gel, gloves, coveralls, and boots

### Registration deadline

8 weeks before the workshop

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

#### Day 1:

#### Theory and guided practice

- Fundamentals of ultrasound imaging
- Pregnancy diagnosis in cattle
- Basic ovarian assessment (follicles and corpus luteum)
- Basic reproductive tract evaluation
- Equipment, probes, and image optimization
- Preparation, handling, cleaning, and maintenance of the ultrasound system

#### Day 2:

#### Hands-on practice

- Probe positioning and scanning techniques
- Image acquisition and interpretation
- Practical scanning sessions with individual coaching
- Best practices to improve accuracy and confidence

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the workshop, participants will be able to confidently perform basic ultrasound examinations in cattle and optimize image quality for routine reproductive evaluations.

### Materials provided:

Training presentation (PowerPoint or PDF)

Q&A session

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



# Swine training



## Swine reproduction training - 1 day on site

Ref. 024810

### Aim

Obtain theoretical and practical guidelines from semen collection to semen dilution and packaging, as well as semen analysis in swine species.

### Duration

1 day

### Site

At the customer's facilities

### Audience

DVM's, Scientists, breeding technicians

### Participants

Max. 8 participants

### Pre-requisite

No pre-requisite

### Registration deadline

4 weeks before the training

\*This training includes a global overview of how and when using a CASA. If you need a specific practical training on CASA, please refer to our installation (Ref. 026346, 026347, 030616), training (Ref. 026349) or support (Ref. 028839) references.

### Content

Please, within the content below, choose 2 topics for one day of training:

Theoretical explanation, demonstration and practising with the help of the trainer of either:

- ☐ Advantages of artificial breeding
- ☐ Semen collection procedures
- ☐ Basics in semen evaluation by photometry and CASA\* and introduction to flow cytometry
- ☐ Medium preparation and Semen dilution
- ☐ Semen cooling, Packaging and storage
- ☐ Semen warming and quality control
- ☐ Oestrus management
- ☐ Insemination of doses

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have an overview of the semen processing steps with recommendations and do/don't.

### Materials provided:

Presentations in PowerPoint or pdf format  
A4 standard operating procedures poster

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Swine semen processing training - 3 days on site

Ref. 024811

### Aim

Understand and apply each step from semen collection to semen dilution and packaging, as well as semen analysis and insemination in swine species.

### Duration

3 days

### Site

At the customer's facilities

### Audience

DVM's, scientists, breeding technicians

### Participants

Max. 5 participants

### Pre-requisite

Purchase of a CASA equipment from IMV Technologies

Basic understanding of porcine reproduction and prior experience in handling laboratory procedures.

### Registration deadline

8 weeks before the training

\*This training includes a global overview of how and when using a CASA. If you need a specific practical training on CASA, please refer to our installation (Ref. 026346, 026347, 030616), training (Ref. 026349) or support (Ref. 028839) references.

### Content

#### Day 1:

#### Theoretical explanation and demonstration of

- Advantages of artificial breeding
- Boar management and Semen collection procedures
- Basics in semen evaluation by photometry and CASA\*
- Introduction to flow cytometry
- Medium preparation and Semen dilution
- Semen cooling, packaging and storage
- Semen warming and quality control

#### Day 2 and 3:

#### Self-practice on each of the above topics

- Practising with the help of the trainer
- Practising on your own with checkpoints
- Discussion and suggestions for exercises with personalised recommendations

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have not only an overview of the semen processing steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

#### Materials provided:

Presentations in PowerPoint or pdf format  
A4 standard operating procedures poster

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Swine semen freezing training - 3 days on site

Ref. 024812

### Aim

Understand and apply each step of the freezing process, from semen dilution and packaging, as well as semen quality control in swine species.

### Duration

3 days

### Site

At the customer's facilities

### Audience

DVM's, scientists, breeding technicians

### Participants

Max. 5 participants

### Pre-requisite

Basic understanding of porcine reproduction and prior experience in handling laboratory procedures.

### Registration deadline

8 weeks before the training

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

#### Day 1:

##### Theoretical explanation and demonstration of

- Advantages of artificial breeding
- Basics in semen evaluation by photometry and CASA\*
- Medium preparation
- Basics in cryobiology
- Semen dilution and equilibration
- Semen packaging, freezing and storage

#### Day 2:

##### Theoretical explanation and demonstration of

- Semen thawing and quality control
- Introduction to insemination products for frozen-thawed semen

#### Day 2 and 3:

##### Self-practice on each of the above topics

- Practising with the help of the trainer
- Practising on your own with checkpoints
- Discussion and suggestions for exercises with personalised recommendations

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have not only an overview of the semen processing steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

#### Materials provided:

Presentations in PowerPoint or pdf format  
A4 standard operating procedures poster

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Post-cervical insemination training - 2 days on site

Ref. 028208

### Aim

Understand and master the technique of post-cervical artificial insemination (PCAI) for gilts and/or sows.

### Duration

2 days

### Site

At the customer's facilities

### Audience

Breeders who want to switch from Conventional AI (CAI) to PCAI, Technicians who want to improve their skills in PCAI technique  
DVM's, Scientists, Technicians

### Participants

Max. 5 participants

### Pre-requisite

Semen doses, disposable tissues and lubricant must be available on-site. Need 5 available cull females in heat. It is recommended to do the training out from hot-temperature periods to have the best implementation of the technique in the farm.

### Registration deadline

8 weeks before the training

### Content

#### Day 1:

##### Expectation, theoretical and practice

- Visit of the farm during insemination acts on sows and gilts
- Review of breeder's expectations
- Reminder on reproductive physiology in the gilt and sow
- Performance and herd management in CAI versus PCAI
- Type of doses and catheters used in CAI versus PCAI
- Hygiene related to AI
- Environmental factors to consider
- Practising on cull females with the help of the trainer
- PCAI with several type of catheters

#### Day 2:

##### Self-practice on the above topics and troubleshooting

- Practising on your own with checkpoints by the trainer
- Practising on one complete batch of females
- Questions and answers session
- Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have not only an overview of the semen processing steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

#### Materials provided:

Presentations in PowerPoint or pdf format  
A4 standard operating procedures poster

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Swine ultrasound introduction training - 2 days on site

Ref. 030654

### Aim

Provide participants with the fundamental knowledge and practical skills to confidently perform ultrasound examinations in swine for pregnancy diagnosis, basic ovarian assessment, and body condition evaluation through back fat assessment.

### Duration

2 days

### Site

At the customer's facilities

### Audience

Swine producers, technicians, veterinarians, and beginners involved in reproductive management.

### Participants

Max. 8 participants

### Pre-requisite

Having at least one ultrasound equipment from IMV Technologies

The customer must provide:

A room for the theoretical session

1 ultrasound unit per 4 participants

Approximately 20 sows per day at different stages of pregnancy (20-90 days)

Ultrasound gel, gloves, coveralls, and boots

### Registration deadline

8 weeks before the workshop

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

#### Day 1:

##### Theory and guided practice

- Fundamentals of ultrasound imaging
- Pregnancy diagnosis in swine
- Basic ovarian examination
- Body condition scoring (backfat measurement)
- Equipment, probes, and image optimization
- Preparation, handling, cleaning, and maintenance of the ultrasound system

#### Day 2:

##### Hands-on practice

- Probe positioning and scanning techniques
- Image acquisition and interpretation
- Practical scanning sessions with individual coaching
- Best practices to improve accuracy and confidence

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the workshop, participants will be able to confidently perform basic ultrasound examinations in swine and optimize image quality for routine reproductive evaluations.

#### Materials provided:

Training presentation (PowerPoint or PDF)

Q&A session

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



# Aqua training



## Aqua semen processing training - 2 days on site

Ref. 026634

### Aim

Understand and apply each step from semen collection to fertilization, as well as semen analysis, dilution, freezing and packaging in salmonids species.

### Duration

2 days

### Site

At the customer's facilities

### Audience

Daily operational individuals, DVM's, Scientists, breeding technicians, Production managers

### Participants

Max. 5 participants

### Pre-requisite

Purchase of a CASA equipment from IMV Technologies (Ref. 026634)

Participants should have a willing to learn and to practice on laboratory equipments and animals. For this training, males and milt of good and bad quality (if known) are needed. Equipments needed for the practical use are: Consumables and media for milt collection, analysis and storage, a CASA system or a microscope, liquid nitrogen

### Registration deadline

8 weeks before the training

\*This training includes a global overview of how and when using a CASA. If you need a specific practical training on CASA, please refer to our installation (Ref. 026346, 026347, 030616), training (Ref. 026349) or support (Ref. 028839) references.

### Content

#### Day 1:

#### Theoretical explanation and demonstration of

- Milt collection
- Milt analysis\*
- Milt storage and freezing
- Fertilization in salmonids
- Demonstration of the entire routine protocols
- Check point recalled by the trainer
- Quick practising with the help of the trainer
- Questions and answers

#### Day 2:

#### Self-practice and adaptation of protocols

- Practising with the help of the trainer on each step
- Adaptation of new protocols on site
- Self-practising according to new protocols
- Case study & Exercises
- Questions and troubleshooting
- Discussion and suggestions for exercises
- Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have not only an overview of the semen processing steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

### Materials provided:

Presentations in PowerPoint or pdf format  
Excel file with data collection suggested  
Handbook for salmonids process cryolab

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Aqua farm audit - 2 days on site

Ref. 029793

### Aim

To look for evidence of good practices and safe systems of work and enable areas for improvement to be identified in female and male herd management methods, oocyte and sperm quality as well as in biosecurity. This review will equip the lab manager with guidelines and recommendations to implement at short, mid and long-term.

### Duration

2 days

### Site

At the customer's facilities

### Audience

Breeding technicians and  
Production managers

### Participants

Not applicable

### Pre-requisite

Procedures and Standard  
Operating Procedures as well as  
the facilities

### Registration deadline

12 weeks before the date of  
venue

If you need a more extensive support after the audit to implement each recommendation, contact us for a personalized training program.

### Content

#### Day 1:

#### Observation of operations and questions

- Expectations from the audit and roundtable
- Broodstock management observation
- Sperm collection and storage or freezing observation
- Questions and answers

#### Day 2:

#### Observation of operations and conclusion

- Egg fertilization and handling management
- Quality documentation checking
- Biosecurity focus
- Questions and answers

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the review, participants will receive an action plan (corrective and/or preventive), as well as concrete solutions at short, mid and long-term.

### Materials provided:

Review report

### Certificate

Not applicable



## Aqua ProSorter training - 1 day on site

Ref. 028679

### Aim

To give the ProSorter Users and managers a deeper understanding of the whole range of machine features and deliveries it can provide. This training does not replace the Installation training required from the Technician.

### Duration

1 day

### Site

At the customer's facilities

### Audience

Breeding technicians and  
Production managers

### Participants

Max 8 participants

### Pre-requisite

For this training, eyed eggs commonly sorted in the hatchery are needed. ProSorter should be working properly with the required water and air supply.

### Registration deadline

12 weeks before the date of venue

If you need a more extensive training, contact us for a personalized training program.

### Content

- Egg sorting good practice overview
- Egg sorting objectives and target results

- The machine and parameters optimal setting
- Basic troubleshooting
- Practical session in customer's conditions
- Conclusions

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have not only an overview of the sorting process steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

### Materials provided:

Presentations in PowerPoint or pdf format

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



# Equine training



## Equine semen processing training - 1 day on site

Ref. 023878

### Aim

Obtain theoretical and practical guidelines from semen dilution, freezing and packaging, as well as semen analysis in equine species.

### Duration

1 day

### Site

At the customer's facilities

### Audience

DVM's, Scientists, breeding technicians

### Participants

Max. 8 participants

### Pre-requisite

There is no pre-requisite

### Registration deadline

4 weeks before the training

\*This training includes a global overview of how and when using a CASA. If you need a specific practical training on CASA, please refer to our installation (Ref. 026346, 026347, 030616), training (Ref. 026349) or support (Ref. 028839) references.

### Content

Please, within the content below, choose 2 topics for one day of training:

**Theoretical explanation, demonstration and practising with the help of the trainer of either:**

- ☐ Advantages of artificial breeding
- ☐ Basics in semen evaluation by photometry and CASA\* and introduction to flow cytometry
- ☐ Medium preparation and Semen dilution
- ☐ Semen cooling, packaging and storage
- ☐ Semen freezing, packaging and storage
- ☐ Semen warming and/or thawing and quality control
- ☐ Oestrus management
- ☐ Preparation of doses for insemination

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have an overview of the semen processing steps with recommendations and do/don't.

### Materials provided:

Presentations in PowerPoint or pdf format

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Equine reproduction training - 3 days at IMV and IFCE

Ref. 023879

### Aim

Understand and get initiated to each step from semen collection to semen dilution, freezing and packaging, as well as semen analysis and insemination, in equine species

### Duration

3 days

### Site

At IMV Technologies, L'Aigle and IFCE (France)

### Audience

DVM's, Scientists, breeding technicians

### Participants

Max. 5 participants

### Pre-requisite

Basic understanding of equine reproduction and prior experience in handling laboratory procedures.

### Registration deadline

8 weeks before the training

\* Gynecological follow-up with ultrasound before and after AI is not included.

If you need a specific practical training on CASA, please refer to training (Ref. 026349) or support (Ref. 028839) references.

### Content

#### Day 1:

#### Theoretical explanation and demonstration of

- Advantages of artificial breeding
- Semen evaluation by photometry, and CASA\* and introduction to flow cytometry
- Medium preparation
- Basics in cryobiology
- Semen dilution, centrifugation, packaging, cooling and/or freezing and storage

#### Day 2 and 3:

#### Theoretical explanation and Practice on

- Semen collection procedures
- Mare preparation to AI\*
- Ultrasound detection (demonstration only)
- Semen thawing and quality control
- Insemination of fresh, chilled, frozen-thawed semen
- Introduction to embryo technologies

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have an overview of the semen processing steps with recommendations and do/don't.

### Materials provided:

Presentations in PowerPoint or pdf format

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Equine semen processing training - 3 days on site

Ref. 023880

### Aim

Understand and apply each step from semen evaluation to semen packaging, as well as semen processing, in equine species

### Duration

3 days

### Site

At the customer's facilities

### Audience

DVM's, Scientists, breeding technicians

### Participants

Max. 5 participants

### Pre-requisite

Purchase of a CASA equipment from IMV Technologies

Basic understanding of equine reproduction and prior experience in handling laboratory procedures. Animals should be available for practical exercises.

### Registration deadline

8 weeks before the training

\*This training includes a global overview of how and when using a CASA. If you need a specific practical training on CASA, please refer to our installation (Ref. 026346, 026347, 030616), training (Ref. 026349) or support (Ref. 028839) references.

### Content

#### Day 1:

#### Theoretical explanation and demonstration of

- Advantages of artificial breeding
- Semen evaluation by photometry, and CASA\*
- Introduction to flow cytometry
- Medium preparation
- Basics in cryobiology
- Semen dilution, centrifugation, packaging, freezing and storage
- Semen thawing and quality control

#### Day 2 and 3:

#### Theoretical explanation and Practice on

- Practising with the help of the trainer
- Practising on your own with checkpoints
- Discussion and suggestions for exercises with personalised recommendations

Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have not only an overview of the artificial insemination steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

### Materials provided:

Presentations in PowerPoint or pdf format

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



# Small ruminants training



## Small ruminants reproduction training - 2 days on site

Ref. 024107

### Aim

Understand and apply the technique of post-cervical (caprine) or intra-uterine (laparoscopy in ovine) insemination in small ruminants.

### Duration

2 days

### Site

At the customer's facilities

### Audience

Breeders who want to improve their skills in insemination or begin an activity in laparoscopy  
DVM's, Scientists, Technicians

### Participants

Max. 5 participants

### Pre-requisite

Semen doses, disposable tissues must be available on-site.  
Need 5 available females. It is recommended to do the training during reproductive season.

### Registration deadline

8 weeks before the training

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

#### Day 1:

##### Expectation, theoretical and practice

- Visit of the farm during insemination acts
- Review of learners' expectations
- Reminder on reproductive physiology in the female
- Performance and herd management for different insemination types
- Materials needed for the techniques
- Hygiene related to AI
- Environmental factors to consider
- Practising on females with the help of the trainer

#### Day 2:

##### Self-practice on the above topics

- Practising on your own with checkpoints
- Discussion with personalised recommendations
- Discussion, conclusion

### Learning Tools

At the end of the training, participants will have not only an overview of the artificial insemination steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

#### Materials provided:

Presentations in PowerPoint or pdf format

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



## Sheep pregnancy scanning training - 2 days on site

Ref. 030655

*Training delivered by an independent ultrasound specialist with over 20 years of field experience in sheep pregnancy diagnosis.*

### Aim

Provide participants with the knowledge and practical skills to confidently perform ultrasound pregnancy diagnosis in sheep, including early pregnancy detection and fetal counting.

### Duration

2 days

### Site

At the customer's facilities

### Audience

Veterinarians, researchers, technicians, and sheep breeders involved in reproductive management.

### Participants

Max. 6 participants

### Pre-requisite

The customer must provide:

- A room for the theoretical session
- Two ultrasound scanners
- Approximately 200 ewes per day (35–45 days of gestation for early pregnancy diagnosis and around 90 days of gestation for fetal counting)
- Animals should be fasted before scanning

### Registration deadline

8 weeks before the training

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

#### Day 1:

##### Theory and guided practice

- Principles of sheep pregnancy diagnosis by ultrasound
- Equipment setup, maintenance, and image optimization
- Animal handling and scanning techniques
- Early pregnancy diagnosis and fetal counting
- Guided practical sessions

#### Day 2:

##### Hands-on practice

- Supervised scanning sessions
- Individual practice with trainer feedback
- Image interpretation and troubleshooting
- Discussion and recommendations to improve accuracy and efficiency

### Learning Tools

At the end of the training, participants will be able to confidently perform sheep pregnancy diagnosis by ultrasound and optimize image quality for accurate and efficient examinations.

#### Materials provided:

Training presentation (PowerPoint or PDF)  
Practical recommendations  
Q&A session

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



# Poultry training



## Poultry reproduction - 3 days on site

Ref. 024105

*Training delivered by an independent specialist with over 30 years of field experience in poultry farm management.*

### Aim

Understand and apply each step from semen collection to insemination, as well as semen dilution and analysis in poultry species.

### Duration

3 days

### Site

At the customer's facilities

### Audience

DVM's, Scientists, breeding technicians

### Participants

Max. 5 participants

### Pre-requisite

Purchase of a CASA equipment from IMV Technologies

Participants should have a basic understanding of poultry reproduction and prior experience in handling laboratory procedures.

### Registration deadline

8 weeks before the training

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Content

#### Day 1:

##### Theoretical explanation and demonstration of

- Advantages of artificial breeding
- Semen collection procedures
- Semen evaluation by photometry
- Semen dilution, packaging, and storage
- Insemination
- Female management

#### Day 2:

##### Self-practice on the above topics

- Practising with the help of the trainer according to internal process
- Practising on your own with checkpoints
- Discussion and suggestions for exercises with personalised recommendations
- Discussion, conclusion

### Learning Tools

At the end of the training, participants will have not only an overview of the artificial insemination steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

### Materials provided:

Presentations in PowerPoint or pdf format

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.



# Rabbit training

## Rabbit reproduction training - 2 days on site

Ref. 024103

### Aim

Understand and apply each step from semen collection to insemination, as well as semen dilution and analysis in the rabbit.

### Duration

2 days

### Site

At the customer's facilities

### Audience

DVM's, Scientists, breeding technicians

### Participants

Max. 5 participants

### Pre-requisite

Participants should have a basic understanding of rabbit reproduction and prior experience in handling laboratory procedures.

### Registration deadline

12 weeks before the training

\*This training includes a global overview of how and when using a CASA. If you need a specific practical training on CASA, please refer to our installation (Ref. 026346, 030616), training (Ref. 026349) or support (Ref. 028839) references.

### Content

#### Day 1:

#### Theoretical explanation and demonstration of

- Reminder on reproductive physiology
- Advantages of artificial breeding
- Semen collection procedures
- Semen evaluation by photometry, and CASA\*
- Semen dilution, packaging, and storage
- Materials needed for the techniques
- Hygiene related to AI
- Environmental factors to consider
- Doe management

#### Day 2:

#### Self-practice on the above topics

- Practising with the help of the trainer according to internal process
- Practising on your own with checkpoints
- Discussion and suggestions for exercises with personalised recommendations
- Discussion, conclusion

The content can be customized to address specific needs, with the option to focus more intensively on particular topics of interest.

### Learning Tools

At the end of the training, participants will have not only an overview of the artificial insemination steps but will put it into practice to feel more confident in their daily work to use IMV Technologies products.

### Materials provided:

Presentations in PowerPoint or pdf format

### Certificate

Attendance certificate and Certificate of Completion following the post-training quiz will be delivered.





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