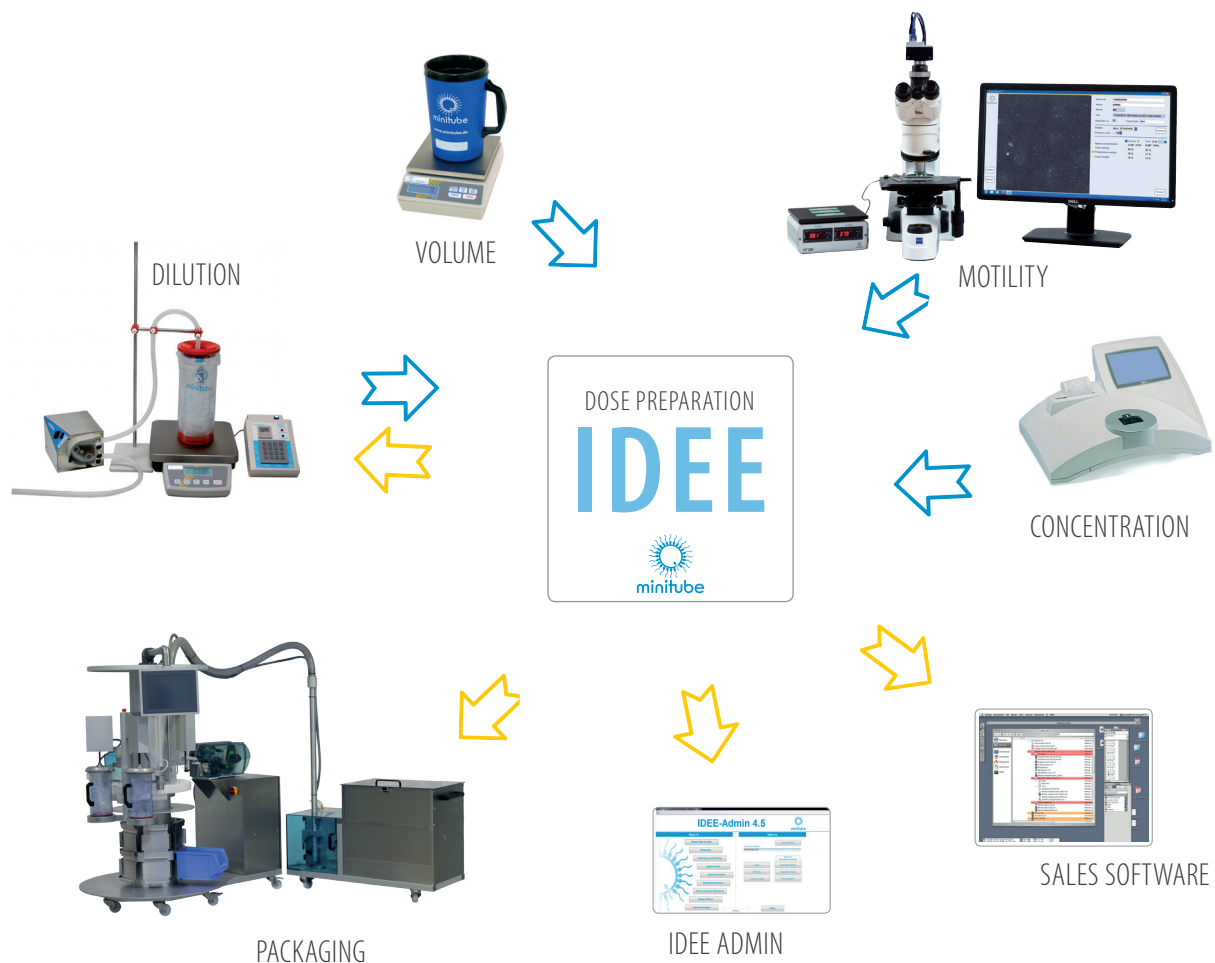




IDEE - LABORATORY SOFTWARE FOR BOAR SEMEN PRODUCTION



The IDEE laboratory software integrates all ejaculate data and links all processes from semen collection to production statistics.



Your benefits

- IDEE introduces a high security level in your lab
- The whole process is standardized and optimized
- Automatic integration of ejaculate parameters due to interfaced equipment
- Automatic data transmission to and from the tube filling machine
- IDEE helps to save time and labour
- Every step is documented and verifiable
- Statistical analysis of all relevant production data
- IDEE can easily be connected to other software applications
- IDEE is a very user friendly software



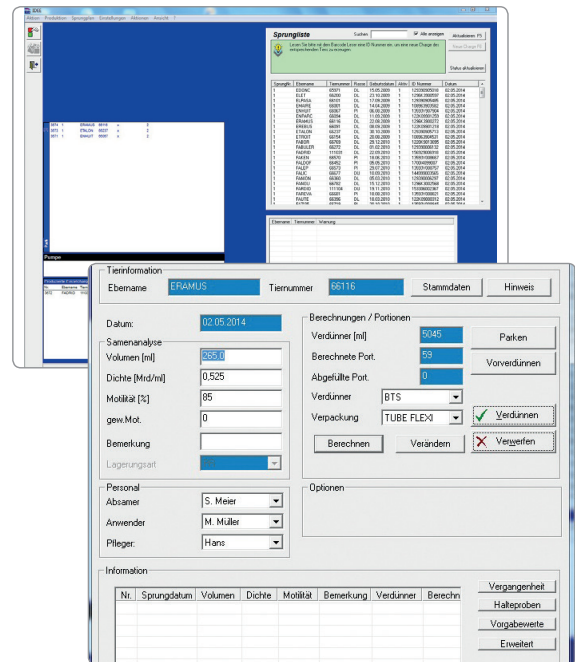
The laboratory management software **IDEE** comprises two program components; IDEE-Production and IDEE-Admin.

IDEE-Production is a flexible and versatile computer programme based on an Access database with a modular design that automates and links the entire process from ejaculate capture to documentation of holding samples, and finally steering extender dispensing and semen packaging in tubes. The ejaculates are labelled with a barcode for fast and reliable data management.

Data collected from connected equipment (e.g. scales, photometer, Androvision®) are quickly and securely registered. The calculation of extender quantities, the dilution of semen with the SmartDispenser, and the transfer of the data to the filling machine is fully automated resulting in an effective and streamlined laboratory operation.

IDEE-Production is available in 7 languages: Chinese, English, German, Italian, Russian, and Spanish.

IDEE-Admin is the reporting tool for IDEE-Production and can be used to intensively evaluate all production data.



IDEE Laboratory Software [REF. : 18000/0000](#)
(comprises IDEE-Production and IDEE-Admin)

IDEE Modules

Additionally to the IDEE standard package, Minitüb offers IDENT, the software for electronic identification of boars and the Module for the integration of a monitor in the collection room.

The different IDEE Modules are also separately available:

IDEE basic package [REF. : 18000/0012](#)
includes boar database, ejaculate database, integration of balance and photometer, extender calculation, holding samples, statistics

IDEE collection plan [REF. : 18000/0022](#)
standard schedule, daily plan, print-out of collection list and collection labels

IDEE pooling [REF. : 18000/0024](#)
semen production of pools of several ejaculates

IDEE dispenser [REF. : 18000/0026](#)
Integration of an automatic dilution system (SmartDispenser)

IDEE production system [REF. : 18000/0028](#)
Integration of an automatic tube processing system



Ejaculate processing with IDEE

Barcode scanning

The identification of each ejaculate can be entered manually or by scanning a barcode label. The barcode label may be provided by the IDENT software. There are hand-held and standing scanners available. The program opens the new ejaculate data file for this boar and starts ejaculate data management. The new ejaculate file is immediately available at all computer workstations integrated in the system, but analysis data can only be entered at the analysis workstation.



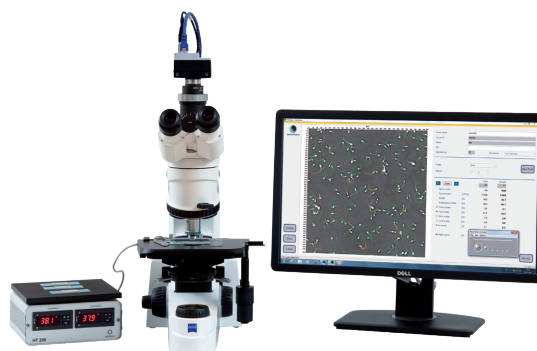
Volumne determination

The ejaculate analysis starts with determining the volume through an electronic balance which is connected to IDEE via interface. The volume is entered automatically into the ejaculate file. It is also possible to measure and enter the volumne manually.



AndroVision®

Semen motility is determined manually or automatically by the CASA system AndroVision®. In this case, AndroVision® and IDEE are interfaced and the motility value enters automatically in its field within the ejaculate record, as well as the concentration value, if AndroVision® is used for chambers to determine cell number. In this way, no manual entry is needed thus avoiding completely any typing errors.



Photometer SDM6

Alternatively or additionally to a CASA system, the photometer SDM6 is interfaced with IDEE and the semen concentration value is transferred automatically to the ejaculate data file.





Ejaculate processing with IDEE

SmartDispenser

As soon as the analysis is finished, IDEE calculates the number of tubes to be processed and the volume of required extender. The program applies user-specific and boar specific formulas for this calculation. With the SmartDispenser system connected to IDEE, the volume of required extender is automatically transferred to the Dispenser and dispensed into the ejaculate. The system can also be set for predilution, 2 or more step dilution and to ejaculates pooling. The processing information is immediately available to all workstations integrated in the system, i.e. for the lab manager, keeper or collection room staff.

Automatic filling machine for boar semen

Finally, the data are automatically transferred to the automatic filling, sealing and labelling system for semen tubes. With a barcode scanner connected to the control unit of the processing system, the identity of the ejaculate is read into the system, the relevant boar ejaculate file is opened and the machine automatically receives the information to be printed on each tube and the number of tubes to be processed. IDEE finally receives the number of really processed tubes.

Reports for IDEE

IDEE-Admin directly accesses the IDEE-Production database to create a wide variety of reports. This allows for comprehensive analyses of the production efficiency of the station and that of individual boars.

IDEE-Admin is compatible with PICtraq™ allowing data to be easily transferred between the units. IDEE-Admin can also compile customer ordering data for transfer to the station's own electronic invoicing system.

