



SMARTDISPENSER 2.0

Highest level of security and precision for semen dilution

The SmartDispenser 2.0 is a combination of **pump, balance and control unit with touch screen**.

It allows an **easy and accurate dosage** of boar semen extender for each ejaculate. The SmartDispenser control unit activates the peristaltic pump until the target weight is reached according to the reading of the balance.

SmartDispenser 2.0 XL

Scale up to 24 kg with a resolution of ± 2 g

Pump: up to 13 l/min

REF.: [13200/0501](#)

SmartDispenser 2.0 L

Scale up to 12 kg with a resolution of ± 2 g

Pump: up to 5 l/min

REF.: [13200/0502](#)

Your benefits

- Smart combination of devices: allows the highest possible dosage accuracy of extender in the semen laboratory
- Measuring precision of ± 2 g: constant feed back between pump and control unit
- Connected workflow: can be combined with a heated extender tank and a lab management software, e.g. IDEE or PRISM
- Error-free data handling: the ejaculate that shall be diluted can also be chosen by reading the boar information from a label on the ejaculate container via a barcode reader (exclusive feature for PRISM lab software)
- High flexibility in processing order of ejaculates: allows batch-wise dilution and processing of several ejaculates in any sequence (exclusive feature for PRISM lab software)
- Pre-dilution option: the pre-dilution volume is dispensed and saved in the memory of the device, the final dilution can be resumed at any time later
- Optimal temperature management: the SmartDispenser 2.0 automatically empties the content of the filling hose back into the extender vat and thereby prevents the extender in the filling hose from getting cold
- User-friendly: easy navigation with touch display
- Two package sizes: choose the right one according to your needs
- Clean: splash reduction for less spillage of semen during dilution



SmartDispenser L: preferred for single sire ejaculates



Due to the **precise weighing of extender**, the SmartDispenser 2.0 is superior to the use of a peristaltic pump with rotation control. Diverse weaknesses are eliminated:

- No more dosage inaccuracy due to different tubing materials or diameters, different wall thicknesses, restoring forces and ageing of the tubing
- Aspirated air does not influence the system
- Easy calibration on the balance
- Errors caused by different filling levels in the vat can not occur



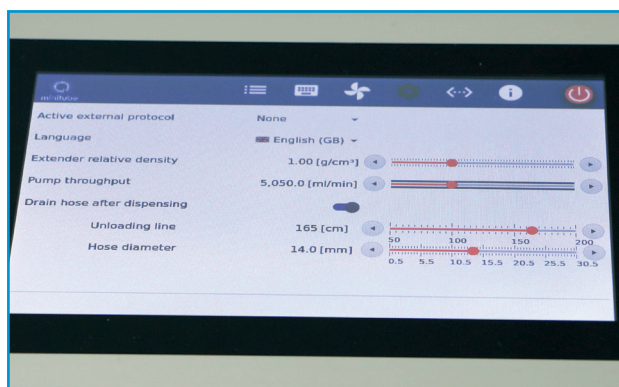
SmartDispenser XL: preferred for semen pools with higher volumes

Easy and safe application

Enter the desired extender volume at the touch display of the control unit. If the SmartDispenser 2.0 is connected to laboratory management software like IDEE or PRISM, the desired amount of semen extender is sent directly to the control unit. Start the filling procedure by confirming the displayed volume to be poured.

The control unit now adjusts the pump to a high rotation speed and pumps the extender into the vessel placed on the balance. The value of the balance is controlled continuously. When the measured quantity reaches the range of the set value, the pump is adjusted to a constantly lower speed until the weight captured by the balance corresponds exactly to the set value.

In case semen pools are produced, subsequent filling processes can be started several times, either by manually entering extender values or with data sent from the management software for each individual ejaculate of a semen pool.



Control unit: easy navigation with touch display

Accessories

Silicone tubing for SmartDispenser XL [REF.: 13200/6010](#)

Silicone tubing for SmartDispenser L [REF.: 13200/0011](#)

Sinker, for SmartDispenser XL, stainless steel [REF.: 5013200/6011](#)

Sinker, for SmartDispenser L, stainless steel [REF.: 5013200/0012](#)

Semen mixing cylinder, 3.5 l [REF.: 13203/0001](#)

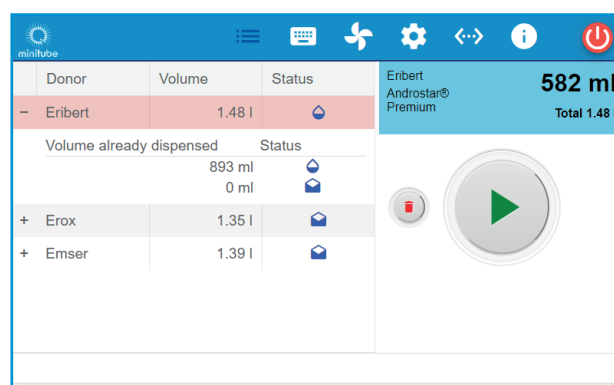
Semen mixing cylinder, 5.4 l [REF.: 13210/0030](#)

For SmartDispenser (1.0) models:

Upgrade to SmartDispenser 2.0 [REF.: 13200/0505](#)

Option:

Barcode scanner [REF.: 13201/3542](#)



SmartDispenser software: clear and easy to use