



AGROTECH > ANIMAL REPRODUCTION

# SPERMTRACK

[arquimeaagrotech.com](http://arquimeaagrotech.com)

 **ARQUIMEA**

# SPERMTRACK

## Reusable counting chamber

### Better optical quality and more reliable analysis results

**SPERMTRACK** is a cell **counting chamber** specially designed for **semen samples**. It can also be used for the analysis of cell cultures, blood and bacterial samples, as well as any other type of sample.

**SPERMTRACK** eliminates all the disadvantages of traditional counting chambers, given that its glass composition **reduces surface tension and prevents the generation of visual artefacts**.

In addition, its ergonomic design **facilitates its use in the microscope**, as well as the cleaning, handling and storage processes required for its correct use.

Available in various depths depending on the application:

**VETERINARY** Use

**20 µm**

- WITH test-tube rack
- WITHOUT test-tube rack

**HUMAN** Use

**10 µm**

- WITH test-tube rack
- WITHOUT test-tube rack





## SPERMTRACK

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### Composition

- **Metal base\* with a circular glass in the centre** on which the liquid sample is deposited.
- **Circular slide** that is placed over the droplet of the sample.
- Laser engraved **grid** for microscopic counting (optional).

\* Metal base available in 8 colours: dark blue, sky blue, orange, red, green, pink, stainless, grey.

### Properties

- **Ergonomic design** that facilitates its use, as well as cleaning and storage.
- Available in **various depths** for human and veterinary use.
- **Reduces surface tension** thanks to its glass composition.
- As it is thinner than similar products, the light from the microscope's condenser arrives in a much more focused manner, **improving optical quality and avoiding the generation of visual artefacts** often found in microscopy. As a result, more reliable results can be obtained.
- Available in **different colours** to avoid mistakes or having to repeat tests because samples have been mixed up.
- **Fully traceable** as far as daily use is concerned, as it has separate serial numbers on the lid and on the chamber. This allows full traceability in accordance with ISO 13485 standards

### TECHNICAL CHARACTERISTICS

- Metal base\*: 75x35x8 mm
- Circular slide: 31 mm diameter
- Distance between the circular glass and the slide: 10 or 20 micrometers.
- Grille: 10x10 squares

### MATERIAL

- Anodised aluminium (metal base and circular slide)
- Glass (circular slide)
- Liquid polyurethane plastic welding.

### PRESENTATION

- Single container with metal base and ring.
- Labelled with batch reference, trade name and contact details.

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### Storage and handling

- Store in a cool and dry place.
- Protect from direct sunlight.
- Avoid storing near heat sources.



# ANIMAL REPRODUCTION

## How to use

SPERMTRACK chambers consist of two parts. The aluminium base is where the semen sample is deposited. On the other side of the SPERMTRACK, a metal ring with a larger crystal than that used in the base is placed on top of the base crystal, once the sample has been deposited.

### STEP 1: LOADING OF THE SAMPLE

Load the semen sample, with a micropipette, on the crystal of the SPERMTRACK's base

### STEP 2: POSITIONING THE RING

Place the crystal ring on the base crystal. This ensures that the sample is evenly distributed between the two crystals.

### STEP 3: INSERTION INTO THE MICROSCOPE

Place the SPERMTRACK on the microscope for analysis and counting.



01.

Loading of the sample



02.

Positioning the ring



03.

Insertion into the microscope