Lab hygiene in semen processing

Hygiene control with EasyCult

EasyCult tubes allow easy and economic handling of microbiological hygiene control of surfaces and solutions in semen laboratories.

Each EasyCult tube contains a small plate that is coated with culture agar on both sides (useable surface: 12 cm2). Due to the flexibility of the plastic plates, it is possible to reach sampling points that are not accessible with inflexible plates. By simply dipping into liquids, the plates can also be used for checking contamination in liquid samples.

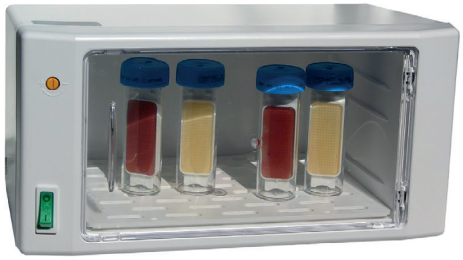
The two sides contain different culture media, so that one plate provides two different types of information about microbiological contamination: One side is coated with PCA agar (for aerobic bacteria) and the other side is coated with VRBG medium for the culture of entero bacteria. After an appropriate incubation time (24 hours at +37°C), the results can be quantified.

EasyCult tubes can be stored at room temperature; shelf life is at least 6 months. Due to the easy handling, even untrained staff can make use of them.

EasyCult, 20 units per package, 26000/0010
Side 1: PCA + TTC + neutralizer
Side 2: VRBG + neutralizer

Mini Incubator BioFix®

Recommended for the culture of EasyCult tubes.



Technical details

- Temperature range: from 5°C above ambient temperature up to +45°C
- Temperature variation: ± 1°C
- External dimensions: 310 x 168 x 155 mm (W x D x H)

Mini Incubator BioFix®, 230 V/50 Hz 14125/0010

Six good reasons for practicing hygiene

- Parasites like Ascaris suum can live for years
- Influenza virus can survive up to 48 hours
- E. coli will survive up to 11 weeks in manure
- Mycoplasma can survive for up to 7 days in organic matter
- Salmonella can live for years in manure and over 100 days in water and soil
- PRRS virus will survive for up to 3 weeks in organic matter and 11 days in water

Source: Daniel Hurnik, Associate Professor of Health Management, University of Prince Edward Island, Canada.

minitube

More hygiene products for the lab

For cleaning and sanitizing of staff and lab equipment.

Hexaquart® pure, 1 l, disinfectant concentrate [1]	21200/0000
Laboratory detergent RBS neutral, concentrate, 1 l [2]	21200/0001

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Be proactive to prevent presence and proliferation of microorganisms in your lab

- Choose a disinfectant effective against the contaminants in your operation
- Do not substitute poor sanitation with disinfectants
- Select disinfectant(s) appropriate for your equipment, facilities and location
- Follow all instructions for use on the label
- Consult with your veterinarian
- Wash and sanitize collection pens and dummies daily or at a minimum of once a week
- Carefully wash the donor´s sheath and under-side, dry completely before collection
- Wear pre-collection and collection gloves
- Thoroughly sanitize and disinfect all lab countertops and equipment after each use
- Routinely perform bacterial culture tests on laboratory surfaces and equipment

To learn more about the impact of hygiene on bacterial contamination in extended boar semen, see a scientific paper on https://doi.org/10.1016/j.theriogenology.2019.11.031

As shown in this long-term study, hygiene management can significantly reduce bacterial contamination and is therefore capable of preventing antibiotic resistance.

(E. Nitsche-Melkus, R. Bortfeldt, M. Jung, M. Schulze, Impact of hygiene on bacterial contamination in extended boar semen: An eight-year retrospective study of 28 European AI centers, 2019)