SILIRUM®

An effective tool in the control of Bovine Paratuberculosis
A tool for prevention
SILIRUM® is an essential tool for the control of Paratuberculosis in cattle.

Just one dose
One dose of SILIRUM® produces a long-lasting cellular response and immunological memory for lifetime, contributing to the control of Bovine Paratuberculosis.

SILIRUM® is an inactivated vaccine for the immunization against Mycobacterium avium ssp. paratuberculosis in cattle.

Decreases intestinal lesions
SILIRUM® reduces intestinal bacterial load, decreasing the number and severity of lesions caused by M. a. paratuberculosis and the subsequent morbidity-mortality rates.

Increases productivity
The benefits of vaccination take into account not only the reduction of mortality and level of infection in the flock, but also the prevention of future losses in production yields.
Flexible Vaccination program for all stages of life

Vaccination with SILIRUM® can be performed on young animals (under one year of age), or in adult animals. If the prevalence of the disease in the herd is high, it is recommended to vaccinate the whole herd.

Decreases the prevalence of Paratuberculosis

SILIRUM® is an essential tool in the control of Bovine Paratuberculosis in herds. Vaccination with SILIRUM® reduces the faecal shedding of *M. a. paratuberculosis*, thus reducing contamination in the environment and disease transmission.

Benefits after SILIRUM® vaccination

- Control of the appearance of clinical cases of Paratuberculosis.
- Improves milk production.
- Cost-benefit of one dose for lifetime protection of animals.
- Increases longevity and reduces replenishment rate.
- Reduction on number of culled animals.

Widely tested

Different studies of SILIRUM® have shown to be a valuable method to reduce clinical signs and has a general positive effect in production.
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**Indications:** For active immunization of cattle to reduce the number of shedders, the development of lesions and the bacterial load of tissues due to *Mycobacterium avium ssp. paratuberculosis*.

**Duration of immunity:** It has not been established in a laboratory study. Field studies show a reduction in the number of shedders, the development of lesions and the bacterial load of tissues due to *M. a. paratuberculosis* up to 4 years after vaccination. Onset of immunity: 21 days.

**Composition:** Each dose (1 ml) of vaccine contains:

*Mycobacterium avium ssp. paratuberculosis*, inactivated 316F strain......................... ≥ 1 RP*

*RP = Relative potency.*

**Dose:** One dose of 1 ml subcutaneously at the neck or chest level.

**Method of administration:** Vaccinate all replacement animals from 1 month of age. In all affected farms or risk farms, each animal should be vaccinated, including adult animals. Do not mix with other vaccines or immunological products. Shake well before use. Discard all the contaminated material after vaccination.

**Packaging:** Vial of 5, 20 and 50 doses.

**Adverse reactions:** Hypersensitivity reactions may occur. In that case, administer a proper antihistamine therapy without delay. During the 48 hours after vaccination, a transient increase in body temperature has been observed, which normally does not exceed 1.0°C average. In some cases, the temperature may exceed 41°C. In most animals, the vaccine produces local reactions at the inoculation site. Local reactions in the inoculation zone are presented as an inflammatory nodule that gradually evolves into a fibrous and cold nodule (which can reach 300 cm³). In some cases, the nodule may degenerate into an open abscess. The size of the nodule tends to decrease gradually but may still be present 33 months after vaccination (size can reach 90 cm³). If you notice any serious reaction or other reactions other than those mentioned in this leaflet, tell your veterinarian.

**Special warnings:** The vaccination sensitizes the animals against the purified protein derivatives (WMD) of Johnina, of avian tuberculin and, although to a lesser extent, of bovine tuberculin. Vaccinated animals generally have a positive or doubtful reaction to the simple intradermal test (skin thickness > 2 mm after bovine tuberculin PPD injection). However, the reaction to the DPP of avian tuberculin is more intense than the DPP of bovine tuberculin, so vaccination does not interfere with the intradermal test compared to tuberculosis-free herds (false positives in less than 0.5% of the test). There is no information available on the safety and efficacy of the use of this vaccine with any other veterinary medicinal product other than those mentioned above. Therefore, the decision to use this vaccine before or after the administration of another veterinary medicinal product should be taken on a case-by-event basis.

**Withdrawal period:** 0 days

**Special precautions for storage:** Keep out of reach and sight of children. Store and transport refrigerated (between 2°C to 8°C). Protect from light. Do not freeze. Do not use after the expiry date stated on the label/bottle. Shelf-life after first opening the immediate packaging: 10 hours.

Veterinary prescription.

Register number in France: FR/V/0984602

For more information
www.preventingwithexperts.com

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