GUDAIR®
The only vaccine against Paratuberculosis for sheep and goats
The vaccine of choice
GUDAIR® is a key tool in Paratuberculosis management for sheep and goats in several countries worldwide.

The only one for prevention
GUDAIR® is the only vaccine approved in the world for the control of Paratuberculosis in sheep and goats. GUDAIR® decreasing the bacterial shedding, thus reducing contamination of the environments and disease transmission.

GUDAIR® is the only existing vaccine worldwide for the immunization against *Mycobacterium avium ssp. paratuberculosis* in sheep and goats.

Control of Paratuberculosis at any Stage
Vaccinated animals with GUDAIR® will create an immune response decreasing the bacterial shedding of *M. a. paratuberculosis* into the small intestine. In animals that may already be infected, vaccination also will delay the onset of clinical signs, thereby reducing the bacteria in faeces and morbidity-mortality rates.

Increases productivity
Paratuberculosis causes significant losses in herds of sheep and goats, particularly in dairy farms. The benefits of vaccination with GUDAIR® take into account not only the reduction of mortality and level of infection in the flock, but also the prevention of future significant losses and reduced yields.
One dose provides a life-long immunity

GUDAIR® contains an inactivated antigen of *M. a. paratuberculosis* and a last generation lipid adjuvant that increases the immune response. A single dose of GUDAIR® produces a long-lasting cellular response and immunological memory, facilitating vaccination programs.

Sanitary management

GUDAIR® reduces clinical signs, the severity of intestinal lesions and mortality due to paratuberculosis. It also reduces fecal excretion of *Mycobacterium a. paratuberculosis*.

Benefits after GUDAIR® vaccination

- Improves milk and meat yield.
- Higher fertility rate: 2 more lambs per sheep vaccinated.
- Higher longevity in vaccinated animals than non-vaccinated.
- Decrease of replacement rate.
- Significant reduction of clinical cases of Paratuberculosis.

Assured Efficacy

Different studies have shown a general positive effect of vaccination with GUDAIR®, valued in productive issues.
**Indications:** For the active immunization of sheep and goats to reduce clinical signs, lesions and mortality of paratuberculosis. It also reduces fecal excretion of *Mycobacterium avium ssp. paratuberculosis*.

**Composition:** Each dose (1 ml) of vaccine contains: 
*Mycobacterium avium ssp. paratuberculosis*, inactivated, strain 316F................................................................. ≥ 2 mm IDR PDD aviar

**Dose:** One dose of 1 ml subcutaneously in sheep and goats from 2 – 3 weeks to 6 months of age.

**Method of administration:** Administer a dose of vaccine to all replacement animals, between 2-3 weeks and 6 months of life, it is advisable to carry out the vaccination as soon as possible. In affected or at-risk herds, vaccination may be carried out on all animals, including adults. In general, it is not necessary to revaccinate. Safely discard all the contaminated material from the vaccination.

**Packaging:** Vial of 30 doses.

**Contraindications:** Neither.

**Adverse reactions:** Hypersensitivity reactions may occur on unusual occasions. In this case administer a proper antihistamine therapy without delay. The vaccine frequently produces an inflammatory nodule at the site of inoculation, which gradually evolves into a persistent fibrous and nodule. The nodules appear at 1-2 weeks after vaccination with an average diameter of approximately 2 cm in sheep and goats, being able to reach a maximum size of 3.5 cm in sheep and 4 cm in goats at 2 months post-vaccination, decreasing the size gradually during the First year after vaccination. On rare occasions, the diameter of the nodule can reach 5 cm to two months after vaccination. In 20-25% of sheep, palpable lesions can be observed at 4 years post vaccination. The nodules disappear, normally, without the need for treatment. In those cases where the vaccine is inoculated to infected animals (secondary antigenic impact), a more intense local reaction can be expected. If you see any effect of gravity or not mentioned in this leaflet, please report it to your veterinarian.

**Special warnings:** Vaccination sensitizes animals against Johnina DPP (purified protein derivative of *Mycobacterium avium ssp. paratuberculosis*), the Tuberculin avian DPP (derived from *Mycobacterium avium*) and, to a lesser extent, compared to the Tuberculin DPP bovine (derived from *Mycobacterium bovis*). The reaction to avian tuberculin is more intense than against tuberculin and clearly distinguishable bovine PPD.

**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. Period of validity of the product as packaged for sale: 2 years. Shelf-life after first use: immediate use.

Veterinary prescription.
Register number in Spain: 2792 ESP

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For more information
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