

Corynebacterium pseudotuberculosis Emergency Vaccine



- ◆ Although efficacy of any emergency vaccine cannot be guaranteed, similar whole cell vaccines have been reported as giving significant protection, with reductions in both the numbers of infected sheep and the severity of the lesions.
- ◆ All emergency vaccines are “tailor made” for each application, using a bacterial isolate from infected animals on a specific farm/unit. Efficacy therefore cannot be guaranteed. However, this dead vaccine is made to a high titre with an oily adjuvant to maximise antigenic challenge.
- ◆ Emergency vaccines must be licensed under Veterinary Medicines Directorate (VMD) regulations. It takes approximately 6 - 8 weeks for the laboratory to manufacture the vaccine. Licences may be renewed annually. The licence stipulates the maximum volume of vaccine that can be supplied. It is therefore important to accurately assess the number of animals likely to require vaccination, allowing for flock replacements, planned increases in flock size etc.

Procedure

- ◆ It is advisable to arrange for the initial isolate of the pathogen to be preserved (and transported to NWL if the organism was isolated elsewhere) as it may be difficult to recover later.
- ◆ Contact NWL for a licence application form.
(Obtaining a licence does not oblige you to go ahead with vaccine manufacture.)
- ◆ Vaccination protocol:

Initial course - 2 doses of 2 ml vaccine 2 - 4 weeks apart

Annual booster -1 dose of 2 ml vaccine

2 years continuous use required to see best effect

Costs

Licensing cost: £110.00 + VAT, renewable annually
 1 litre vaccine: £1380 + VAT
(Smaller volumes pro rata, minimum order value £290.00 + VAT)
 Storage of isolate: £65.00 + VAT per year
 Carriage: £30.00 + VAT

Need more information?

Please ring NWL to discuss your case in detail.