

Protocol for Autogenous *Corynebacterium pseudotuberculosis* Bacterin

(commonly referred to as caseous lymphadenitis or 'CL')



General Information on Custom (Autogenous) Vaccines:

The USDA approves the use for custom (autogenous) vaccines to protect animals against disease-causing organisms, by or under the direction of a veterinarian, when:

1. A fully licensed commercial vaccine is not available.
2. The organism exhibits a high degree of genetic variation and requires improved antigen specificity.
3. When commercially licensed products have failed to provide adequate protection.

Bimeda Biologicals Autogenous CL Bacterin Process:

1. A licensed Veterinarian must contact Bimeda Biologicals and establish a communication record (Veterinarian of Record or 'VOR').

NOTE: Minimum order amount is 1,000 doses in 100 dose bottles. Pricing will be determined with the VOR and be communicated to producer through the VOR.

2. The VOR is responsible for collecting samples from actively infected goats from the herd of origin and sending the samples to Bimeda Biologicals diagnostic lab along with a completed 'Diagnostic Services Request Form'.

Sampling Submission Guidelines:

- Sample(s) should be placed inside a clean, sealable test tube or syringe and contain 5-10 mLs of infected pus/fluid.
 - To ensure the sample(s) remain viable for vaccine production, they should be shipped in an insulated container with ice packs wrapped in paper, so the contents are kept cool without freezing.
 - All samples must be sent FEDEX or UPS PRIORITY OVERNIGHT DELIVERY. Please ship samples Monday - Thursday only (if you must ship on Friday for Saturday delivery please call prior to shipping). Priority mail is not adequate for shipping samples.
3. Once received by the diagnostic lab, sample(s) will undergo testing to ensure there are viable *C. pseudotuberculosis* isolates suitable for vaccine production.
 4. Once viable isolates are identified, Bimeda Biologicals regulatory will work with the VOR to determine vaccine needs, outline order details and complete necessary paperwork.
 5. Once production is complete, VOR will be invoiced and Bimeda Biologicals will ship product as specified by the VOR.