

**United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Center for Veterinary Biologics  
P. O. Box 844  
Ames, IA 50010**

1. **Reagent Name:** *Pasteurella multocida*, Avian Type 1 Challenge Culture
2. **Strain or Source:** X-73 Type A
3. **Lot Number:** IRP P1C Serial 3
4. **Fill Date:** September 29, 1999
5. **Expiration Date:** 30Jun20

**Precautions:** This is an opportunistic pathogen with low risk of infection to humans. However, it is recommended that the culture be handled under a biological safety hood while wearing gloves.

6. **Intended Use:** To be used as challenge material in accordance with title 9, *Code of Federal Regulations* (9CFR), section 113.117, and **SAM 607**.
7. **Instructions for Use:** Rehydrate individual vials with 1 mL tryptose broth. Streak two 5% bovine blood agar plates with 0.1 mL of reconstituted culture and incubate for 16-19 hr at 35°-37°C. Scrape several bacterial colonies from the surface of the blood agar plates and suspend in tryptose broth. Adjust the density of the suspension to 71-75% T at 630 nm using a Spectronic 20D+ spectrophotometer or equivalent. Use 0.5 mL of a 10<sup>-5</sup> dilution to challenge chickens intramuscularly according to 9 CFR 113.117.
8. **Test of Reagent:** Purity, biochemical profiles, plate counts, and DNA fingerprinting were performed on the reagent. Repeated use of this reagent in 9 CFR testing has shown that when prepared and administered according to instructions above, at least 8 out of 10 control turkeys died (required for a valid test), and turkeys received ≥250 CFU/dose.
9. **Container Size, Type, Weight, or Volume:** Five-mL serum glass vials containing 2.0 mL of lyophilized culture.
10. **Storage Conditions:** 4°C or less
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6140 or FAX (515) 337-7673.
12. **Origin and Passage History:** Origin: Stock culture *P. multocida*, Avian strain X73, type 1, challenge culture IRP 260.

**13. Method of Preparation:** Cultures were grown in tryptose broth. Bacterial culture was dispensed into 2.0 mL aliquots, and lyophilized.

**14. Other:** None

Reagent orders and feedback should be sent *including phone number* to the following email address: [VS.STAS.CVB.Reagent.Requests@aphis.usda.gov](mailto:VS.STAS.CVB.Reagent.Requests@aphis.usda.gov)

Reagent orders forms (APHIS Form 2018) can be found on the CVB website.

**REVISED:** 29Mar18 tlt