

**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 Isolate, Type 3 Challenge Culture
2. **Strain or Source:** P-1059, Type A
3. **Lot Number:** IRP 04-503
4. **Fill Date:** December 9, 2003
5. **Expiration Date:** None

Precautions: This is an opportunistic pathogen with low risk of infection to humans. However, it is suggested that this reagent be handled in a biological safety cabinet while wearing gloves.

6. **Intended Use:** Challenge material for avian *P. multocida* testing according to 9 CFR 113.118.
7. **Instructions for Use:** Rehydrate individual vials with 2 mL tryptose broth. Streak two 5% bovine blood agar plates with 0.1 mL of reconstituted culture and incubate for 16-19 hours at 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 $67\% \pm 2\%T$ using a Spec 20 or equivalent at 630nm. Use 0.5 mL of a 10^{-6} dilution to challenge turkeys intramuscularly according to 9 CFR 113.118.
8. **Test of Reagent:** Tested for purity and viability at time of preparation. Organism was identified by the API 20E system and by DNA fingerprinting. 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 approximately a minimum of 150 CFU/dose.
9. **Container Size, Type, Weight, or Volume:** 5-mL serum glass vials containing 2.0 mL of lyophilized culture.
10. **Storage Conditions:** 7°C or lower
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6140 or FAX (515) 337-7673.
12. **Origin History:** K. Heddleston, ARS, USDA, Ames, Iowa 1986.

13. Method of Preparation: Prepared under contract by a licensee according to confidential outline of production.

14. Other:

Restrictions: For use in potency testing of avian *P. multocida* biologicals.

Reagent orders and feedback should be sent *including phone number* to the following email address: CVB@aphis.usda.gov

Reagent orders forms (APHIS 2018) are available from:
https://www.aphis.usda.gov/library/forms/pdf/APHIS_2018.pdf

REVISED: 15Apr14 alb