

**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* (bovine) Challenge Culture
2. **Strain or Source:** P 1062
3. **Lot Number:** IRP 471
4. **Fill Date:** June 26, 2002
5. **Expiration Date:** Not applicable.

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

6. **Intended Use:** Challenge material for bovine *P. multocida* testing according to 9 CFR 113.121.
7. **Instructions for Use:** Reconstitute 1 vial with 1 mL of tryptose broth. Inoculate bovine blood agar plates with a loopful of the reconstituted culture and incubate 35°- 37°C for 16-18 hours. Harvest several colonies from plates with pure growth and suspend in tryptose broth and adjust density to 76-80% transmittance at 630 nm using a Spec20 spectrophotometer. The recommended mouse dose is 0.2 mL of a 10<sup>-5</sup> dilution of the standardized culture, administered intraperitoneally.
8. **Test of Reagent:** Gram stain and biochemical evaluation of the culture were performed for purity and identity. Plate count (at 73 %T at 630 nm, Spec70 spectrophotometer) was 6.07 x 10<sup>7</sup> CFL/dose. The challenge preparation was found to contain 10<sup>2.59</sup> mouse lethal dose fifty (LD<sub>50</sub>) per 0.1 mL.
9. **Container Size, Type, Weight, or Volume:** 1.0 mL of lyophilized culture in 3-mL serum vials.
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: Bovine liver isolate. Passage history unknown.

**13. Method of Preparation:** Cultures were grown on tryptose agar plates. Bacterial growth was harvested from the plates with double-strength skim milk, dispensed into 0.2-mL aliquots, and lyophilized.

**14. Other:**

**Restrictions:** For use in potency testing of *P. multocida* 1062 according to 9 CFR 113.121.

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

Reagent orders forms (APHIS 2018) are available from:  
[http://www.aphis.usda.gov/animalhealth/cvb\\_forms](http://www.aphis.usda.gov/animalhealth/cvb_forms).

**REVISED:** 05Aug14 alb