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: *Escherichia coli* Anti-987P Pilus Monoclonal Antibody (987P MAb).

2. Strain or Source: Hybridoma 1BB6-3D6

3. Lot Number: IRP 475

4. Fill Date: June 5, 2002

5. Expiration Date: 30Apr22

Precautions: There are no known hazards associated with the use of this reagent.

6. Intended Use: For use in potency testing of *E. coli* biologicals containing the 987P pilus antigen, according to **Supplemental Assay Method (SAM) 622**.

7. Instructions for Use: Dilute the 987P MAb 1:10,000 in phosphate-buffered saline supplemented with 0.05% Tween-20 and 2% bovine serum albumin fraction V, and use immediately, according to **SAM 622**.

8. Test of Reagent: The 987P MAb was shown to be specific for 987P pilus antigen. It exhibits minimal nonspecific binding (background) in assays performed according to **SAM 622**. The optimal use dilution was determined by titration, using the assay described in **SAM 622**. The sterility was checked by streaking on blood agar medium.

9. Container Size, Type, Weight, or Volume: 150-µL aliquots in microcentrifuge vials. Sufficient amount to run 10+ plates.

10. Storage Conditions: -20° to -80°C for long-term storage. May be held at 2°- 7°C for several months after removal from freezer.

11. CVB Technical Contact: Bacteriology Section, Center for Veterinary Biologics, (515) 337-6140 or FAX (515) 337-7673.

12. Origin and Passage History: The 1BB6-3D6 hybridoma cell line secreting anti-987P antibody was obtained from Molecular Genetics, Inc., Minnetonka, Minnesota. The cell line was produced by fusion of splenocytes (obtained from a BALB/c mouse immunized with purified 987P pili) with mouse plasmacytoma cells (NS-1).

13. Method of Preparation: Raw ascites fluid was purchased from Molecular Genetics, Inc., and frozen at -70°C or lower.

14. Other: None

Restrictions: For use in potency testing of *E. coli* biologicals according to SAM 622.

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

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

REVISED: 29Mar18 tlt