



OCTOBER 6, 2006

United States
Department of
Agriculture

VETERINARY SERVICES MEMORANDUM NO. 800.97

Animal and Plant
Health Inspection
Service

Subject: Standard Reference Preparations, Test Reagents, and Seed Cultures for Laboratory Test Reagents

Veterinary Services

To: Veterinary Services Management Team, Biologics Licensees, Permittees, and Applicants, Directors, Center for Veterinary Biologics

Washington, DC
20250

I. PURPOSE

This memorandum provides a list of Reference Preparations, Test Reagents, and Seed Cultures for Laboratory Test Reagents that are available from the Center for Veterinary Biologics as authorized in 9 CFR [113.2](#) and methods for obtaining same.

II. CANCELLATION

This memorandum cancels Veterinary Services Memorandum No. 800.97 dated February 2, 2006, and associated attachment(s) dated February 2006.

III. DEFINITIONS

- A. Standard Reference Preparation is a serum, virus, bacterial culture, cell, or antigen used in test systems as set forth in Standard Requirements for direct comparison with serials of biological products under test.
- B. Standard Test Reagent is a serum, antibody, antibody conjugate, toxin, virus, bacterial culture, or antigen to be used in test systems as set forth in Standard Requirements or Supplemental Assay Methods, but not for direct comparison with serials of biological products under test.
- C. Seed Cultures for Laboratory Test Reagents are small quantities of standard organisms or cells that the recipient uses to establish an "in-house" supply for use as a test reagent.

IV. CLASSIFICATION BY INTENDED USE

A letter preceding each item on the enclosed Attachments 1-5 indicates the intended use of the item. The following listing indicates the meaning of the letter:

- A. For seed in the preparation of testing materials
- B. For testing master seed, cell lines, and frozen primary cells that are to be expanded for production



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- C. For testing primary cells not expanded from frozen cells and for individual serial testing
- D. For Standard Requirement tests of bulk or final container samples
- E. For standardizing laboratory standards
- F. IgG reference

An asterisk (*) preceding a letter denotes that a Veterinary Services permit (16-16A) is required for interstate shipment of these agents. Permits may be obtained from USDA APHIS VS National Center for Import and Export (<http://www.aphis.usda.gov/vs/ncie>).

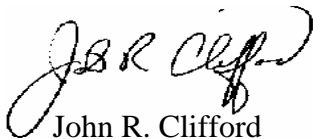
V. BLOCKING TITERS OF CVB REAGENTS

CVB origin reagent (antiserums and monoclonal antibodies) is initially used when conducting confirmatory extraneous agents testing of many viral Master Seeds. With each reagent there is a maximum amount of virus that can be neutralized. The maximum titer that CVB reagent will neutralize is provided in [Attachment 3](#). Generally, these are the maximum titers at which Master Seed should be produced if a firm expects to utilize reagent supplied by CVB for testing. CVB reagent will often neutralize greater titer, but such neutralization is lot dependent. Firms may be asked to supply reagent used in their testing in the event that CVB reagent does not neutralize the firms Master Seed.

VI. REQUESTS AND SHIPMENTS

Requests for standard reference preparations, standard test reagents, or seed cultures should be made using the attached request form ([Attachment 4](#)). Each request shall be sent to the Center for Veterinary Biologics-Laboratory (CVB-L), 1800 Dayton Avenue (Post Office Box 844), Ames, IA 50010. Orders may be sent by facsimile to 515-663-7673. The list of references, reagents, and cultures available will be updated by CVB Notice approximately annually and more frequently as needed on the CVB-L Home Page at <http://www.aphis.usda.gov/vs/cvb/lab>.

Shipments of these items shall contain a copy of the request and, for each item, a CVB-L reagent data sheet including directions for use.



John R. Clifford
Deputy Administrator
Veterinary Services

Attachment

STANDARD REFERENCE PREPARATIONS AND TEST REAGENTS
FOR BACTERIAL PRODUCTS

1. * D *Bordetella bronchiseptica* Challenge B133 – IRP 312
2. D *Clostridium botulinum* Type B Antoxin – IRP 435
3. * D *Clostridium botulinum* Type B Toxin – IRP 430
4. D *Clostridium botulinum* Type C Antitoxin – IRP 428
5. * D *Clostridium botulinum* Type C Toxin – IRP 421
6. D *Clostridium chauvoei* Bacterin – IRP 242
7. * D *Clostridium chauvoei* Sport Preparation – IRP 509 (04)
8. D *Clostridium chauvoei* Flagella-Specific Monoclonal Antibody – IRP 441
9. D *Clostridium chauvoei* Flagella-Specific Polyclonal Antibody (Detection Antibody) IRP 440
10. D *Clostridium haemolyticum* Bacterin – IRP 208
11. * D *Clostridium haemolyticum* Spore Preparation – IRP 477
12. D *Clostridium novyi* Type B (alpha) Antitoxin – IRP 298
13. D *Clostridium novyi* Type B (alpha) Toxin – IRP 425
14. D *Clostridium perfringens* Type A (alpha) Antitoxin – IRP 426
15. D *Clostridium perfringens* Type A (alpha) Toxin – IRP 532 (06)
16. D *Clostridium perfringens* Type C (beta) Antitoxin – IRP 486
17. D *Clostridium perfringens* Type C (beta) Toxin – IRP 513 (04)
18. D *Clostridium perfringens* Type D (epsilon) Antitoxin – IRP 249
19. * D *Clostridium perfringens* Type D (epsilon) Toxin – IRP 450
20. D *Clostridium septicum* (alpha) Antitoxin – IRP 228
21. D *Clostridium septicum* (alpha) Toxin – IRP 455
22. D *Clostridium sordellii* Bacterin-Toxoid – IRP 308
23. * D *Clostridium sordellii* Challenge Culture – IRP 313
24. D *Clostridium sordellii* Antitoxin – IRP 501 (04)
25. D *Clostridium sordellii* Toxin – 497
26. D *Clostridium tetani* Antitoxin (Guinea pig, 5 AU/mL) – IRP 467
27. D *Clostridium tetani* Antitoxin (Equine, 500 AU/mL) – IRP 445
28. D *Clostridium tetani* Toxin – IRP 473
29. D *Clostridium tetani* HRP-labeled Monoclonal Antibody – IRP 458
30. D Negative Equine Serum – IRP 319
31. D Negative Guinea Pig Serum – IRP 454
32. D *Erysipelothrix rhusiopathiae* Bacterin – IRP ERB Serial 5
33. * D *Erysipelothrix rhusiopathiae* Challenge – IRP ERC Serial 4
34. D *Erysipelothrix rhusiopathiae* Anti-65 Monoclonal Antibody – IRP 487
35. D *Erysipelothrix rhusiopathiae* Polyclonal Antibody (Detection Antibody) – IRP 444
36. D *Escherichia coli*, Anti-K88 Monoclonal Antibody – IRP K88 Mab Serial 3
37. D *Escherichia coli*, HRP-labeled K88 Monoclonal Antibody – IRP 474

38. D Escherichia coli, Anti-K99 Monoclonal Antibody – IRP 472
39. D Escherichia coli, HRP-labeled K99 Monoclonal Antibody – IRP 539-06
40. D Escherichia coli, Anti-987P Monoclonal Antibody – IRP 475
41. D Escherichia coli, Anti-987P Polyclonal Antibody – IRP 534-06
42. D Escherichia coli, Anti-F41 Monoclonal Antibody-IRP 04-508
43. D Escherichia coli, Anti-F41 Polyclonal Antibody – IRP F41 PAb
44. D Leptospira canicola Monoclonal Antibody – IRP 500
45. D Leptospira canicola Polyclonal Antibody – IRP 491
46. D Leptospira grippotyphosa Bacterin – IRP 523
47. D Leptospira grippotyphosa Monoclonal Antibody – IRP 479
48. D Leptospira grippotyphosa Polyclonal Antibody – IRP 483
49. D Leptospira icterohaemorrhagiae Monoclonal Antibody – IRP 506
50. D Leptospira icterohaemorrhagiae Polyclonal Antibody – IRP 481
51. D Leptospira Pomona Bacterin – IRP 524
52. D Leptospira Pomona Monoclonal Antibody – IRP 476
53. D Leptospira Pomona Polyclonal Antibody – IRP 482
54. * D Pasteurella multocida Type 1 (Avian) Challenge – IRP P1C Serial 3
55. * D Pasteurella multocida Type 3 (Avian) Challenge – IRP 04-503
56. * D Pasteurella multocida Type 4 (Avian) Challenge – IRP P4C Serial 5
57. D Pasteurella multocida P 1062 (Bovine) Bacterin – IRP PMA 1062 Serial 2
58. * D Pasteurella multocida Type A P1062 (Bovine) Challenge – IRP 471
59. D Pasteurella multocida 169 (Porcine) Bacterin – IRP PMA 169 Serial 3
60. * D Pasteurella multocida 169 (Porcine) Challenge – IRP 490
61. D Salmonella choleraesuis Bacterin – IRP SCB Serial 4
62. D Salmonella choleraesuis Challenge – IRP SCC Serial 5
63. D Salmonella dublin Bacterin – IRP SDB Serial 3
64. * D Salmonella dublin Challenge – IRP 470
65. D Salmonella pullorum Antigen Serum Panel
66. D Salmonella pullorum Stained K Polyvalent Antigen
67. D Salmonella typhimurium Bacterin – IRP 460
68. * D Salmonella typhimurium Challenge – IRP STC Serial 6

STANDARD REFERENCE PREPARATIONS AND TEST REAGENTS
FOR VIRUS BIOLOGICAL PRODUCTS

Reference Viruses

1. A Infectious Canine Hepatitis Virus DK-31
2. A B Canine Distemper Virus, TCO
3. A Canine Distemper Neutralization Indicator Virus (Plaquing)
4. A B Feline Panleukopenia Virus
5. A B Canine Parvovirus
6. * A Rabies Serum Neutralization Indicator Virus (RFFIT)
7. D Veterinary Rabies Reference Vaccine Killed Virus
8. * E Newcastle Disease Virus, Strain BI
9. * E Newcastle Disease Virus, Strain LaSota
10. * E Newcastle Disease Virus, Strain Roakin
11. * A Avian Leukosis Virus Subgroup A
12. * A Avian Leukosis Virus Subgroup B
13. * A Infectious Bronchitis Virus, High Egg Passage, Connecticut Serotype (IB 46)
14. * A Infectious Bronchitis Virus, Beaudette Embryo Adapted Strain (IB 42)
15. * A Infectious Bronchitis Virus, Massachusetts Serotype H-52
16. * A Ovine Ecthyma Virus, TCO, L-146-5 Strain
17. * A Infectious Bovine Rhinotracheitis Virus, BHV1.1, Colorado Strain
18. * A Parainfluenza 3 Virus
19. * A Bovine Enterovirus I
20. * A Bovine Adenovirus I
21. * A Bovine Adenovirus V
22. * A Bovine Parvovirus
23. * A Encephalomyocarditis Virus of Swine
24. * B E Venezuelan Equine Encephalomyelitis Virus
25. * A Equine Rhinopneumonitis Virus, EHV-1, Army 183 Isolate
26. * A Porcine Parvovirus
27. * A Reovirus I
28. * A Bovine Viral Diarrhea Virus, Type 1, C24V (CPE) Strain
29. * A Bovine Viral Diarrhea Virus, Type 1, NADL (CPE) Strain
30. * A Bovine Viral Diarrhea Virus, Field (NCPE) Strain
31. * A Transmissible Gastroenteritis Virus
32. * A Equine Rhinopneumonitis Virus, EHV-4
33. * A Bovine Respiratory Syncytial Virus

- 34. A Feline Rhinotracheitis Virus, Strain C-27
- 35. A Canine Coronavirus
- 36. A Canine Parainfluenza
- 37. A Feline Calicivirus
- 38. * A Bovine Viral Diarrhea Virus, Type I, Singer (CPE) Strain
- 39. * A Bluetongue Virus, Serotype 2
- 40. * A Bluetongue Virus, Serotype 10
- 41. * A Bluetongue Virus, Serotype 11
- 42. * A Bluetongue Virus, Serotype 13
- 43. * A Bluetongue Virus, Serotype 17
- 44. * A Porcine Rotavirus, Group A, Serotype 4 (Gottfried Strain)
- 45. * A Porcine Rotavirus, Group A, Serotype 5 (OSU Strain)
- 46. * A Porcine Rotavirus, Group C (Cowden Strain)
- 47. * A Equine Influenza Virus, A1 (H7N7), Prague (1960s) Isolate
- 48. * A Equine Influenza Virus, A2 (H3N8), Miami (1960s) Isolate
- 49. * A Equine Viral Arteritis Virus
- 50. * A Equine Influenza Virus, A2 (H3N8), Kentucky (1980s) Isolate
- 51. * A Equine Influenza Virus, A2 (H3N8), Alaska (1990s) Isolate
- 52. * A Infectious Bovine Rhinotracheitis Virus, BHV1.1, Los Angeles Strain
- 53. * A Bovine Herpesvirus 1.2, K-22 Strain
- 54. * A Bovine Herpesvirus 5, EC-1 Strain
- 55. * A Porcine Reproductive and Respiratory Syndrome Virus
- 56. * A Equine Infectious Anemia Virus (Wyoming Strain)
- 57. * A Bovine Viral Diarrhea Virus, Type 2, 125 (CPE) Strain
- 58. A Reference Feline Chlamydia psittaci
- 59. C E Feline Leukemia Positive Control (ELISA Reagent)
- 60. * A B Hemagglutinating Encephalomyelitis Virus
- 61. * A Swine Influenza Virus (H1N1)
- 62. * A Swine Influenza Virus (H3N2), Port Chalmers
- 63. * A Sarcocystis neurona
- 64. * A Sarcocystis falcatula

Challenge Viruses

1. A B Canine Distemper Snyder-Hill Challenge Virus (Intracerebral)
2. A B Infectious Canine Hepatitis Challenge Virus
3. A B Canine Adenovirus Type 2 Challenge Virus
4. * A Rabies Street Challenge Virus (Dogs, Cats, Sheep, Cattle, Horses)
5. A B Feline Chlamydia psittaci Challenge
6. A B Feline Rhinotracheitis Challenge Virus
7. A B Feline Calicivirus Challenge Virus
8. A B Canine Parainfluenza Challenge Virus
9. A B Canine Parvovirus Challenge, Type 2B
10. * A B Mink Enteritis Challenge Virus Type 2
11. * A D Newcastle Disease Challenge Virus, GB-Texas
12. * A D Infectious Laryngotracheitis Challenge Virus
13. * A D Fowl Pox Challenge Virus
14. * A D Infectious Bronchitis Challenge Virus, Massachusetts Serotype
15. * A D Infectious Bronchitis Challenge Virus, Connecticut Serotype
16. * A D Infectious Bronchitis Challenge Virus, JMK Serotype
17. * A D Infectious Bronchitis Challenge Virus, SE-17 Serotype
18. * A D Infectious Bronchitis Challenge Virus, Florida 18288 Serotype
19. * A D Infectious Bronchitis Challenge Virus, Gray Serotype
20. * A D Infectious Bronchitis Challenge Virus, Holte Serotype
21. * A D Infectious Bronchitis Challenge Virus, Iowa 97 Serotype
22. * A D Infectious Bronchitis Challenge Virus, Iowa 609 Serotype
23. * A D Infectious Bronchitis Challenge Virus, Arkansas Serotype
24. * A D Avian Encephalomyelitis Challenge Virus
25. * A D Tenosynovitis Challenge Virus, Strain S 1133
26. * A D Infectious Bursal Disease Challenge Virus
27. * D Parainfluenza 3 Challenge Virus
28. * D Infectious Bovine Rhinotracheitis Challenge Virus
29. * D Bovine Viral Diarrhea Challenge Virus, Type 1, New York-1 (NCPE) Strain
30. * D Bovine Viral Diarrhea Challenge Virus, Type 2, 890 (NCPE) Strain
31. * D Bovine Viral Diarrhea Challenge Virus, Type 2, 1373 Isolate from
Canada
32. * B D Eastern Equine Encephalomyelitis Challenge Virus
33. * B D Western Equine Encephalomyelitis Challenge Virus
34. * E Transmissible Gastroenteritis Challenge Virus
35. * A B Feline Infectious Peritonitis Challenge Virus
36. * A B Feline Leukemia Challenge Virus

Antiserums

1. B Rabies Antiserum-Burro Origin
2. B Canine Adenovirus Antiserum (Type 1 and 2)
3. B Canine Adenovirus Monoclonal Panel (CAV₁ and CAV₂ Specific)
4. B Canine Distemper Antiserum
5. B Canine Parainfluenza Antiserum
6. B Feline Calicivirus Antiserum
7. B Feline Rhinotracheitis Antiserum
8. B Canine, Feline, or Mink Parvovirus Antiserum
9. B Equine Influenza A₁ Antiserum, Chicken Origin
10. B Equine Influenza A₂ Antiserum, Chicken Origin
11. B D Parainfluenza 3 Antiserum
12. B D Eastern Equine Encephalomyelitis Antiserum
13. B D Western Equine Encephalomyelitis Antiserum
14. B D Venezuelan Equine Encephalomyelitis Antiserum
15. E Bovine Viral Diarrhea Monoclonal Antibody (Ascites)
16. E Bovine Respiratory Syncytial Virus Monoclonal Antibody (Ascites)
17. E Porcine Parvovirus Monoclonal Antibody (Ascites)
18. E Infectious Bovine Rhinotracheitis gD Monoclonal Antibody (Ascites)
19. E Infectious Bovine Rhinotracheitis gB Monoclonal Antibody (Ascites)
20. E Equine Infectious Anemia Serum Panel
21. E Bovine Leukemia Serum Panel
22. E Bluetongue Serum Panel
23. E CAE-OPPV Serum Panel
24. B Bluetongue Virus, Serotype 2 Antiserum
25. B Bluetongue Virus, Serotype 10 Antiserum
26. B Bluetongue Virus, Serotype 11 Antiserum
27. B Bluetongue Virus, Serotype 13 Antiserum
28. B Bluetongue Virus, Serotype 17 Antiserum
29. B Pseudorabies Antiserum
30. B Porcine Rotavirus, Group A, Serotype 4 Gnotobiotic Pig Antiserum

31. B Porcine Rotavirus, Group A, Serotype 5 Gnotobiotic Pig Antiserum
32. B Porcine Rotavirus, Group C Gnotobiotic Pig Antiserum
33. B Transmissible Gastroenteritis Virus Antiserum
34. B Encephalomyocarditis Virus of Swine Antiserum
35. B Swine Influenza Virus Antiserum
36. B Equine Rhinopneumonitis (EHV1) Antiserum
37. E Porcine Rotavirus, Group A, Serotype 4 VP4 MAb (Ascites)
38. E Porcine Rotavirus, Group A, Serotype 4 VP7 MAb (Ascites)
39. E Porcine Rotavirus, Group A, Serotype 5 VP7 MAb (Ascites)
40. E Porcine Rotavirus, Group A, Serotype 3, 4, 6 MAb (Ascites)
41. B Pseudorabies ELISA/Latex Serum Panel
42. B Pseudorabies gI ELISA Serum Panel
43. B Bovine Adenovirus I Antiserum
44. B Bovine Adenovirus V Antiserum
45. B Equine Rhinopneumonitis Virus (EHV4) Antiserum
46. B Equine Viral Arteritis Virus Antiserum
47. B Vaccinia Virus Antiserum
48. B Chlamydia psittaci Monoclonal Antibody Panel
49. B Porcine Reproductive and Respiratory Syndrome Virus Antiserum
50. E Canine Distemper Monoclonal Antibody (Ascites)
51. C E Feline Leukemia Polyclonal Capture Antibody (ELISA Reagent)
52. C E Feline Leukemia Monoclonal Detection Antibody (Ascites) (ELISA Reagent)
53. B Canine Coronavirus Monoclonal Antibody (Ascites)
54. E Bovine Viral Diarrhea Type 2 Monoclonal Antibody (Ascites)
55. F Bovine IgG Reference Standard
56. F Equine IgG Reference Standard
57. B West Nile Virus Antiserum

Conjugates

1. B D Anti-Porcine Cell Conjugate
2. B D Anti-Ovine Cell Conjugate
3. B D Anti-Feline Cell Conjugate
4. B D Anti-Vero Cell Conjugate
5. B D Anti-Ferret Cell Conjugate

Cells

1. A B C F African Green Monkey Kidney Line (Vero)
2. A B C F Embryonic Bovine Kidney (Low Passage from Primary) (EBK)
3. A B C F Embryonic Equine Kidney Primary (EEK)
4. A B C F Embryonic Lamb Kidney Primary (LKP)
5. A B C F Hamster Kidney Line (BHK21C)
6. A B C F Kitten Kidney Primary (KKP)
7. A B C F Porcine Kidney Line (PK15)
8. A B D SV-40 Virus Transformed Hamster Kidney Line (SV40)
9. A B C F Swine Kidney Primary (SKP)
10. B C Rabies Infected Positive Control Slides (Specify Cell Line Species)
11. A B C F Marek's Derived Spleen B-lymphoblastoid Cells (MSB-1)
12. A B C F Equine Dermis Primary (EQDER)
13. A B C F Madin-Darby Bovine Kidney Line (MDBK-A)
14. A B C F Madin-Darby Canine Kidney Line (MDCK)
15. A B C F Monkey Kidney Line (MRC145)
16. A B C F Mouse Synovial Cell Line (MCCOYS)
17. A B C F Bovine Turbinate Cells (Botur)
18. A B C F Dog Kidney Primary Cells (DKP)

Viral Master Seed

Agent	Blocking Titer (log 10)
Bluetonguevirus, serotypes 2, 10, 11, 13 and 17	4.0
Bovine coronavirus	4.0
Bovine leucosis virus	4.0
Bovine respiratory syncytial virus	4.0
Bovine rotavirus	4.0
Bovine viral diarrhea virus, types 1 and 2	4.0
Canine distemper virus	4.0
Canine adenovirus type 1	6.0
Canine adenovirus type 2	6.0
Canine coronavirus	4.0
Canine parainfluenza virus	6.0
Canine rotavirus	6.0
Eastern equine encephalomyelitis virus	4.0
Equine infectious anemia virus	4.0
Equine influenza virus subtype A2	4.0
Equine influenza virus subtype A1	4.0
Equine rotavirus	4.0
Equine rhinopneumonitis virus	4.0
Equine viral arteritis virus	3.5
Feline rhinotracheitis virus	5.0
Feline infectious peritonitis virus	6.0
Feline <i>Chlamydia psittaci</i>	see footnote ¹
Feline calicivirus	strain dependent ²
Feline panleukopenia virus	4.0
Infectious bovine rhinotracheitis virus	4.0
Mink enteritis virus	3.0
Mink distemper virus	4.0
Ovine ecthyma virus	4.0
Parainfluenza virus, type 3 (bovine)	4.0
Porcine reproductive and respiratory syndrome virus	3.5
Porcine parvovirus	4.0
Porcine rotavirus	4.0
Pseudorabies virus	4.0
Rabies virus	6.0
Swine influenza virus	4.0

¹ Block with tetracycline.

² F-9 4.0, C-14 4.0, CF1/68 3.0, F5 4.0 (or similar cross reactive strains)

Swinepox virus	4.0
Transmissible gastroenteritis virus	4.0
Vaccinia virus	3.5
Venezuelan equine encephalomyelitis virus	2.0
Western equine encephalomyelitis virus	4.0

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information is 0579-0013. The time required to disclose this recordkeeping requirement is to average .10 hours per recordkeeper annually, including the time to retain such records, and to notify, disclose, and report to third parties such recordkeeping requirements.

OMB NO.: 0579-0013

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE VETERINARY SERVICES CENTER FOR VETERINARY BIOLOGICS (CVB)	INSTRUCTIONS: Submit in triplicate to: USDA-APHIS-VS The Center for Verterinary Biologics 1800 Dayton Ave., P.O. Box 844 Ames, Iowa 50010	REQUEST FOR REFERENCE, REAGENT, OR REAGENT SEED MATERIAL <i>(Only one reference, reagent, or seed material on each form.)</i>
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REQUEST

REQUESTING FIRM's NAME:	COMPLETE MAILING ADDRESS <i>(No P.O.)</i>	DATE OF REQUEST:	LICENSE OR PERMIT NO.:
PHONE NO. <i>(Needed for shipping):</i>			
REAGENT REQUESTED:	CVB NOTICE ISSUE DATE:	QUANTITY REQUESTED:	PURPOSE OF REFERENCE:
NAME OF COURIER:	REMARKS:		
COURIER ACCOUNT NO. <i>(For shipping to be charged):</i>			
NAME AND TITLE OF PERSON MAKING REQUEST:	SIGNATURE:	DATE:	

REPLY

AMOUNT SHIPPED LOT NO.:	REMARKS:		
A. NUMBER OF CONTAINERS:			
B. VOLUME OF EACH CONTAINER:			
C. TOTAL VOLUME:			
REFRIGERATION: <input type="checkbox"/> YES <input type="checkbox"/> NO	DATE SHIPPED:	SHIPPED BY:	
NAME AND TITLE OF CVB OFFICIAL:	SIGNATURE:	DATE:	

RECEIPT

AMOUNT RECEIVED:	REMARKS:		
A. NUMBER OF CONTAINERS:			
B. TOTAL VOLUME:			
CONDITION OF SHIPMENT:	DATE RECEIVED:		
NAME AND TITLE OF PERSON WHO RECEIVED SHIPMENT:	SIGNATURE:	DATE:	