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Supplemental Assay Methods (SAMs)

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100 Series: Large Animal Virus Techniques

ID	Title	Date
101	Titration of Bovine Viral Diarrhea Virus in Vaccines [Withdrawn]	--
102	Titration of Parainfluenza-3 Virus in Vaccines [Withdrawn]	--
104 (146.07 KB)	Isolation of Parainfluenza-3 Virus from Nasal Excretions	October 10, 2014
105	Titration of Bovine Rhinotracheitis Virus in Vaccines [Withdrawn]	--
106 (181.85 KB)	Titration of Neutralizing Antibody (Constant Virus - Varying Serum Method)	October 16, 2014
107 (164.92 KB)	Titration of Neutralizing Antibody (Constant Serum - Varying Virus Method)	October 16, 2014
108 (235.28 KB)	Detection of Extraneous Bovine Viral Diarrhea Virus in Modified-Live Vaccines	July 29, 2023

ID	Title	Date
109 (295.5 KB)	Titration of Bovine Rhinotracheitis Neutralizing Antibody (Constant Virus - Varying Serum Method)	October 16, 2014
110 (257.13 KB)	Titration of Eastern, Western, and Venezuelan Equine Encephalomyelitis Virus Neutralizing Antibodies	April 05, 2016
111	Titration of Infectious Bovine Rhinotracheitis Virus Neutralizing Antibody (Constant Virus - Varying Serum Method) [Withdrawn]	--
112 (255.58 KB)	Titration of Bovine Viral Diarrhea Neutralizing Antibody (Constant Virus - Varying Serum Method)	October 16, 2014
113 (278.25 KB)	Titration of Parainfluenza-3 Neutralizing Antibody (Constant Virus - Varying Serum Method)	May 12, 2017
114 (196.51 KB)	Titration of Porcine Transmissible Gastroenteritis Virus	July 31, 2023
115 (183.31 KB)	Titration of Bovine Viral Diarrhea Neutralizing Antibody (Constant Serum - Varying Virus Method)	October 16, 2014
116 (158.05 KB)	Phenotypic Examination of Pseudorabies Virus for Thymidine Kinase Activity by a Plaque Selection Method	October 16, 2014
117 (254.5 KB)	Titration of Pseudorabies Virus Neutralizing Antibody (Constant Virus - Varying Serum Methods)	October 16, 2014
118 (130.5 KB)	Titration of Pseudorabies Virus in Vaccines	August 7, 2023
119 (179.8 KB)	Titration of Pseudorabies Virus Neutralizing Antibody (Constant Virus - Varying Serum Method)	August 7, 2023
120 (220.4 KB)	In Vitro Potency Assay of Bovine Respiratory Viruses in Killed Vaccines	September 15, 2023
121 (148.42 KB)	Titration of Porcine Rotavirus in Modified-live Vaccines	October 21, 2014

ID	Title	Date
122 (216.34 KB)	Titration of Porcine Rotavirus Antibody (Constant Virus-Varying Serum Method)	October 21, 2014
123 (171.34 KB)	Pseudorabies Virus Challenge Test in Swine	October 21, 2014
124 (226.66 KB)	Conducting the Hemagglutination Inhibition Assay for Equine Influenza Antibody	October 23, 2014
126 (217.06 KB)	Titration of Bovine Rotavirus in Vaccines (Constant Virus - Varying Serum Method)	August 9, 2023

200 Series: Anaerobic Bacteria Techniques

ID	Title	Date
200 (239.54 KB)	Potency Testing Products Containing <i>Clostridium chauvoei</i> Antigen	March 23, 2024
201 (222.28 KB)	Potency Testing <i>Clostridium perfringens</i> Type C Beta Antigen	October 4, 2024
202 (217.37 KB)	Potency Testing <i>Clostridium perfringens</i> Type C Beta Antitoxins	October 4, 2024
203 (220.64 KB)	Potency Testing <i>Clostridium perfringens</i> Type D Epsilon Antigen	August 24, 2023
204 (229.8 KB)	Potency Testing <i>Clostridium perfringens</i> Type D Epsilon Antitoxins	September 7, 2023
206 (322.24 KB)	Potency Testing Tetanus Antitoxins	March 15, 2024
207 (268.06 KB)	Potency Testing <i>Clostridium novyi</i> Type B Alpha Antigen	October 4, 2024
209 (232.32 KB)	Potency Testing Products Containing <i>Clostridium haemolyticum</i> Antigen	March 23, 2024

ID	Title	Date
212 (218.75 KB)	Potency Testing <i>Clostridium sordellii</i> Antigen	August 10, 2023
213 (244.62 KB)	Potency Testing of <i>Clostridium botulinum</i> Type C Bacterin-Toxoids	June 17, 2022
214 (226.67 KB)	Immunogenicity and Spore Count Testing of Anthrax Spore Vaccine-Nonencapsulated	June 12, 2023
217 (341.97 KB)	Potency Testing of Tetanus Toxoid by ELISA	June 17, 2022

300 Series: Small Animal Virus Techniques

ID	Title	Date
300 (209.32 KB)	Titration of Neutralizing Antibody - Canine Hepatitis	August 22, 2023
301 (218.02 KB)	Titration of Neutralizing Antibody - Canine Distemper	August 22, 2023
302 (212.99 KB)	Titration of Canine Distemper Virus in Primary Cell Culture	October 29, 2014
303 (237.39 KB)	Titration of Distemper Virus in Embryonated Chicken Eggs	August 22, 2023
304 (191.86 KB)	Titration of Infectious Canine Hepatitis Virus in Primary Canine Kidney Cell Culture	August 22, 2023
305 (208.69 KB)	Titration of Feline Panleukopenia Virus in Cell Culture	October 30, 2014
306 (216.98 KB)	Titration of Feline Calicivirus in Cell Culture	August 23, 2023

ID	Title	Date
307 (203.26 KB)	Titration of Feline Rhinotracheitis Virus in Cell Culture	August 23, 2023
308 (176.85 KB)	Potency Testing of Inactivated Rabies Vaccine in Mice Using the National Institutes of Health Test	March 31, 2015
309 (196.24 KB)	Titration of Canine Parainfluenza Virus in Vero Cell Culture	August 23, 2023
310	Scoring Feline Calicivirus in Cats Following Challenge [Withdrawn]	--
311	Scoring Feline Rhinotracheitis Virus in Cats Following Challenge [Withdrawn]	--
312 (124.13 KB)	Detection of Extraneous Cytopathogenic Agents in Master Seed Virus	October 30, 2014
313	Detection of Extraneous Hemadsorbing Agents in Master Seed Virus	August 23, 2023
314 (194.99 KB)	Detection of Extraneous Viruses by the Fluorescent Antibody Test	August 24, 2023
315 (229.57 KB)	Detection of Serum Neutralizing Antibodies to Rabies Virus using the Rapid Fluorescent Focus Inhibition Test (RFFIT)	August 24, 2023
316 (194.6 KB)	Titration of Canine Parvovirus in Cell Culture	August 24, 2023
317 (200.82 KB)	Titration of Canine Adenovirus in Canine Kidney Cell Culture	November 13, 2014
318	Estimating Relative Potency by the Automated Selection of Line Segments in RelPot 4.0 Software [Withdrawn]	--
319 (284.93 KB)	Titration of Chlamydomonas felis (formerly Feline Chlamydia psittaci) in Cell Culture	August 25, 2023

ID	Title	Date
320 (214.73 KB)	Titration of Feline Chlamydia psittaci in Embryonated Chicken Eggs	August 25, 2023
321 (203.05 KB)	Quantitating the GP70 Antigen of Feline Leukemia Virus in Veterinary Vaccines	August 25, 2023
322 (213.13 KB)	Determination of the Specific Viral Antigen Content in Inactivated Canine Coronavirus Vaccines	January 9, 2015
323 (217.38 KB)	Titration of Canine Distemper Virus in Vero Cell Culture	August 25, 2023

400 Series: Poultry Virus Techniques

ID	Title	Date
405 (350.25 KB)	Supplemental Assay Method for Detecting Lymphoid Leukosis Biocontamination by the COFAL Test	August 25, 2023
406 (206.68 KB)	Supplemental Assay Method for Titration of Monovalent, Cell Associated Marek's Disease Vaccines of Serotypes 1, 2, or 3	September 14, 2024
407 (182.25 KB)	Supplemental Assay Method for Titration of Marek's Serotype 3 (Herpesvirus of Turkeys Strain FC-126), Lyophilized	August 29, 2023
408 (167.15 KB)	Supplemental Assay Method for Titrating Tissue Culture Adapted Vaccine Strains of Infectious Bursal Disease Virus	August 29, 2023
409 (122.5 KB)	Titrating the Fractions of Combination Avian Encephalomyelitis/Pox Vaccine	November 28, 2014
411 (157.13 KB)	Titration of Newcastle Disease Vaccine, Infectious Bronchitis Vaccine, and Combination Newcastle Disease-Infectious Bronchitis Vaccine in Chicken Embryos	January 10, 2018

500 Series: Chemical Techniques

ID	Title	Date
500 (1.01 MB)	Determination of Phenol in Veterinary Biologics (Pullorum antigen, Mycoplasma synoviae antigen, and Mycoplasma gallisepticum antigen)	June 16, 2022
502 (1.69 MB)	Determination of Residual Moisture in Veterinary Biologics Products	June 17, 2022
504 (882.54 KB)	Manual Determination of Protein Content of Veterinary Biologics (Biuret)	June 17, 2022
509	Mikrozone Electrophoretic Separation of Blood Fractions Used in Veterinary Biologics [Withdrawn]	--
512 (162.32 KB)	Determination of Formaldehyde in Veterinary Biologics (Ferric Chloride Test)	April 5, 2022
513 (416.58 KB)	Determination of Protein and Phenol in PPD Bovis Tuberculin (Purified Protein Derivative Produced from Cultures of Mycobacterium bovis (Strain AN-5))	January 5, 2024
514 (433.8 KB)	Determination of Hydrogen Ion Concentration, Total Nitrogen, Phenol and Clarity in Intradermic Tuberculin (Filtrate Produced From Cultures of Pn, C, and Dt Strains of Mycobacterium tuberculosis)	January 5, 2024

600 Series: Aerobic Bacteria Techniques

ID	Title	Date
600 (224.18 KB)	Testing for Purity, Potency, and Dissociation of <i>Brucella abortus</i> Vaccine, Strain 19	January 6, 2025
601	Potency Testing of Erysipelas Antiserum in Mice [Withdrawn]	--
602 (46.36 KB)	Evaluation of Salmonella Pullorum Antigens	January 28, 2010

ID	Title	Date
603 (925.05 KB)	Potency Testing of Fowl Cholera (<i>Pasteurella multocida</i>) Bacterins, Type 3	June 17, 2022
604 (1.09 MB)	Evaluation of Koch's Old Tuberculin	June 17, 2022
605	Potency Testing of Erysipelas Bacterins in Swine [Withdrawn]	--
606	Potency Testing of Erysipelas Vaccines in Swine [Withdrawn]	--
607 (929.34 KB)	Potency Testing of Fowl Cholera (<i>Pasteurella multocida</i>) Bacterins, Type 1	June 17, 2022
608 (268.94 KB)	Potency Assay of <i>Leptospira interrogans</i> serogroup <i>pomona</i> Bacterins	July 8, 2025
609 (254.96 KB)	Potency Assay of <i>Leptospira interrogans</i> serogroup <i>canicola</i> Bacterins	April 19, 2022
610 (242.52 KB)	Potency Assay of <i>Leptospira interrogans</i> serogroup <i>icterohaemorrhagiae</i> Bacterins	December 23, 2022
611 (266.91 KB)	Potency Testing of Erysipelas Bacterins in Mice	March 26, 2024
612 (211.92 KB)	Bacterial Plate Count of <i>Erysipelothrix rhusiopathiae</i> Vaccines	January 17, 2025
613 (896.83 KB)	<i>In vitro</i> Potency Testing of <i>Erysipelothrix rhusiopathiae</i> Bacterins	June 17, 2022
617 (260.26 KB)	Potency Assay <i>Leptospira kirschneri</i> serogroup <i>grippotyphosa</i> Bacterins	July 7, 2025
620 (256.57 KB)	Potency Testing of Enterotoxigenic (K99 Pilus) <i>Escherichia coli</i> Bacterins	May 26, 2023
621 (245.17 KB)	Potency Testing of Enterotoxigenic (K88 Pilus) <i>Escherichia coli</i> Bacterins	May 26, 2023
622 (246.24 KB)	Potency Testing of Enterotoxigenic (987P Pilus) <i>Escherichia coli</i> Bacterins	May 26, 2023
623 (248.28 KB)	Potency Testing Enterotoxigenic (F41 Pilus) <i>Escherichia coli</i> Bacterins	May 26, 2023

ID	Title	Date
624 (215.31 KB)	<i>In vitro</i> Potency Testing of <i>Leptospira interrogans</i> serogroup <i>pomona</i> Bacterins	May 28, 2023
625 (229.39 KB)	<i>In vitro</i> Potency Testing of <i>Leptospira interrogans</i> serogroup <i>canicola</i> Bacterins	May 28, 2023
626 (216.91 KB)	<i>In vitro</i> Potency Testing of <i>Leptospira kirschneri</i> serogroup <i>grippotyphosa</i> Bacterins	May 28, 2023
627 (233.25 KB)	<i>In vitro</i> Potency Testing of <i>Leptospira interrogans</i> serogroup <i>icterohaemorrhagiae</i> Bacterins	May 28, 2023
630 (924.18 KB)	Potency Testing of Fowl Cholera (<i>Pasteurella multocida</i>) Bacterins, Type 4	June 17, 2022
631 (933.65 KB)	Potency Testing of <i>Salmonella typhimurium</i> Bacterins	June 17, 2022
632 (936.52 KB)	Potency Testing of <i>Salmonella cholerae</i> Bacterins	June 17, 2022
633 (968.02 KB)	Potency Testing of <i>Salmonella dublin</i> Bacterins	June 17, 2022
634 (230.42 KB)	Potency Testing of <i>Pasteurella multocida</i> Bacterins of Bovine Origin	March 26, 2024
635 (258.13 KB)	Potency Testing of <i>Pasteurella multocida</i> Bacterins of Porcine Origin	March 26, 2024
636 (1.01 MB)	Evaluation of Tuberculin Purified Protein Derivative (PPD)	June 17, 2022

800 Series: Cytology Techniques

ID	Title	Date
801 (183.67 KB)	Examination of Porcine Cells for Porcine Parvovirus Contamination	September 1, 2023
802 (200.28 KB)	Supplemental Assay Method for Identification of Vaccine Strains of Newcastle Disease Virus	September 1, 2023
803 (159.05 KB)	Examination of Trypsin Solutions for Porcine Parvovirus Contamination	November 28, 2014

900 Series: Sterility Techniques

ID	Title	Date
900 (256.86 KB)	Testing Growth Promoting Qualities of Fluid Thioglycollate Medium and Soybean-Casein Digest Medium using <i>Bacillus subtilis</i> Spores and <i>Issatchenkia orientalis</i> as the Indicator Organisms	January 5, 2024
901 (231.87 KB)	Testing Growth-Promoting Qualities of Fluid Thioglycollate Medium with Beef Extract Using <i>Clostridium chauvoei</i> Spores as the Indicator Organism	January 5, 2024
902 (225 KB)	Testing Growth-Promoting Qualities of Brain Heart Infusion Agar using <i>Bacillus subtilis</i> Spores and <i>Issatchenkia orientalis</i> as Indicator Organisms	January 5, 2024
903 (207.47 KB)	Testing for Preservative Interference with Sterility Tests	January 17, 2025
905 (225.09 KB)	Potency of Live Avirulent <i>Mannheimia haemolytica</i> Vaccine	January 17, 2025
906 (406.08 KB)	Supplemental Assay Method for Sterility Testing of Preparations Other Than Live Vaccines	October 17, 2024
908 (252.27 KB)	Sterility Testing of Live Viral Vaccines and Master Seed Virus Samples	May 12, 2023
909 (230.64 KB)	Sterility Testing of Live Viral Vaccines of Chicken Embryo Origin Recommended for Nonparenteral Injection	May 12, 2023
910 (248.48 KB)	Detection of Mycoplasma Contamination	February 21, 2023
911 (250.03 KB)	Detection of Salmonella in Antibody Products	April 27, 2023

ID	Title	Date
912 (203.68 KB)	Determination of Total Bacterial Count in Antibody Products	February 21, 2023
913 (230.76 KB)	Detection of Coliforms in Antibody Products	April 27, 2023
914 (194.36 KB)	Detection of Fungi in Antibody Products	May 15, 2023
918 (212.26 KB)	Bacterial Count of <i>Pasteurella multocida</i> , Avian Isolates, Vaccines	February 21, 2023
928 (223.63 KB)	Detection of Extraneous Bacteria and Fungi in Live Bacterial Vaccines and Master Seed Bacteria Samples	January 3, 2025
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