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LABORATORY LOCATION/ CENTRAL OFFICE:	Makmal Veterinar Zon Tengah, Jabatan Perkhidmatan Veterinar Jalan Nilai - Banting, Bandar Baru Salak Tinggi, 43900 Sepang, Selangor. , 43900, SELANGOR MALAYSIA
ACCREDITED SINCE :	29 DECEMBER 2025
FIELD(S) OF TESTING:	VETERINARY

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Makmal Veterinar Zon Tengah, Jabatan Perkhidmatan Veterinar Jalan Nilai - Banting, Bandar Baru Salak Tinggi, 43900 Sepang, Selangor. , 43900, Selangor
FIELD(S) OF TESTING :	VETERINARY,

SCOPE OF TESTING : VETERINARY

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Virology Serum	Detection of Newcastle Disease antibody by Heamagglutination Inhibition (HI) test	DVS/V-S 001 In-house method based on scientific publication described in 1-2: 1. WOAH. (2021). Chapter 3.3.14. Newcastle Disease (Infection with Newcastle Disease Virus). In WOAH Terrestrial Manual 2021 (pp. 1–23). 2. Department of Veterinary Services. (2016). Haemagglutination Inhibition Test (HI) for Newcastle Disease Virus. In Manual of Veterinary Laboratory Testing for Virology (ML 05/2016 ed., pp. 129- 145). Department of Veterinary Services. 3. Grimes, S. E. & FAO-APHCA. (2002). A Basic Laboratory Manual for the Small-Scale Production and Testing of I-2 Newcastle Disease Vaccine (2002/22 ed.). https://www.fao.org/3/ac802e/ac802e00.htm#Contents

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Virology Samples Of Avian Species: - Tracheal Swab - Cloacal Swab - Oropharyngeal Swab - Faecal/guano Swab - Environmental Swab - Organs/tissues - Edible Bird Nest - Allantoic Fluid - Frozen Meat	Isolation of Avian Influenza (AI) Virus by Egg Inoculation Technique	DVS/ V-I 001: In-house method based on scientific publication described in 1-3: 1. WOAH. Chapter 3.3.4. Avian Influenza (Including Infection with High PathogenicityAvian Influenza Virus). In OIE Terrestrial Manual 2021 (pp. 1–26). https://www.oie.int/fileadmin/Home/eng/Health_standards/tahm/3.03.04_AI.pdf 2. Department of Veterinary Services. (2016). Isolation and Identification of Avian Influenza (AI) Virus. In Manual of Veterinary Laboratory Testing for Virology (ML 05/2016 ed., pp. 28–50). Department of Veterinary Services. 3. Grimes, S. E. & FAO-APHCA. (2002). A Basic Laboratory Manual for the Small-Scale Production and Testing of I-2 Newcastle Disease Vaccine (2002/22 ed.). https://www.fao.org/3/ac802e/ac802e00.htm#Contents

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	Isolation of Newcastle Disease (ND) Virus by Egg Inoculation Technique	DVS/ V-I 002: In-house method based on scientific publication described in 1-3: 1. WOAH. Chapter 3.3.14. Newcastle Disease (Infection with Newcastle Disease Virus). In OIE Terrestrial Manual 2021 (pp. 1–22). https://www.oie.int/fileadmin/Home/eng/Health_standards/tahm/3.03.14_NEWCASTLE_DIS.pdf 3. Department of Veterinary Services. (2016). Isolation and Identification of Newcastle Disease (ND) Virus. In Manual of Veterinary Laboratory Testing for Virology (ML 05/2016 ed., pp. 1-27). Department of Veterinary Services. 4. Grimes, S. E. & FAO-APHCA. (2002). A Basic Laboratory Manual for the Small-Scale Production and Testing of I-2 Newcastle Disease Vaccine (2002/22 ed.). https://www.fao.org/3/ac802e/ac802e00.htm#Contents
Virology - Organs (preferably Spleen, Lymph Node, Lung, Tonsil, Kidney) - Pork And Pork Products - Plasma - Edta-blood - Tissue - Bone Marrow - Nasal Swab - Environmental Swab	Detection of African Swine Fever (ASF) virus by real time PCR	DVS/ SOP/ VM 005A-B-QPCR: In-house RT-PCR method based on scientific publication described in 1- 2: 1. WOAH Terrestrial Manual 2024, Section 3.9 Suidae, Chapter 3.9.1 African Swine Fever (Infection with African Swine Fever Virus). 2. King, D.P., Reid, S.M., Hutchings, G.H., Grierson, S.S, Wilkinson, P.J., Dixon, L.K., Bastos, A.d.s., Drew, T.W. (2003). Development of a Taqman PCR assay for the detection of African swine fever virus. 'Journal of Virological Methods', vol. 107, pp. 53-61.

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Detection of African Swine Fever (ASF) virus by conventional PCR	DVS/ SOP/ VM 005C-CPCR: In-house PCR method based on scientific publication described in 1- 2: 1. WOAH Terrestrial Manual 2024, Section 3.9 Suidae, Chapter 3.9.1. African Swine Fever Virus. 2. Aguero M., Fernandez J., Romero L., Zamora M.J., Sanchez C., Belak S., Arias M. & Sanchez-Vizcaino J.M. (2004). A highly sensitive and specific gelbased multiplex RT-PCR assay for the simultaneous and differential diagnosis of African swine fever and Classical swine fever. ' Vet. Res.,' vol. 35, pp.1- 13.
Virology - Allantoic Fluid - Frozen Meat - Dis Embryo (dead In Shell) - Environmental Swabs - Tracheal Swabs - Cloaca/ Swabs - Organ (preferably Lung, Trachea, Brain And Intestine) - Tissue	Detection of Newcastle Disease Virus by real time RT-PCR (qRTPCR)	DVS/SOP/ VM 002A -QRTPCR: In-house RT- PCR method based on scientific publication described in 1- 2: 1. WOAH. (2021). Chapter 3.3.14. Newcastle Disease (Infection with Newcastle Disease Virus). In WOAH Terrestrial Manual 2021 (pp. 1-23). 2. Wise M.G., Suarez D.L., Seal B.S., Pedersen J.C., Senne D.A., King D.J., Kapczynski D. & Spackman E. (2004). Development Of A Real-Time Reverse-Transcription PCR For Detection Of Newcastle Disease Virus RNA In Clinical Samples. 'J. Clin, Microbiol'., vol.42, pp.329-338.

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Virology - Allantoic Fluid - Frozen Meat - Animal Tissues - Tracheal Swab - Cloacal Swab - Environmental Swab	Detection of Avian Influenza (AI) Virus Type A by Real Time RTPCR	DVS/SOP/VM 001A- QRTPCR: In-house RT-PCR method based on scientific publication described in 1- 2: 1) Molecular diagnostics, CSIRO ACDP (2022): Influenza Virus Type A and Avian Influenza, Virus Real-Time Taqman and Conventional PCR assays. 2) Manual of Veterinary Laboratory Testing for Virology (Documentation: No.: ML 05/2016), Department of Veterinary Services. 3) WOAH Chapter 3.3.4 Avian Influenza WOAH Terrestrial Manual 2025.
Bacteriology - Animal Organ & Tissues - Animal Feed - Environmental Samples - Cloacal Swab - Fecal Swab - Faeces	Isolation & Identification of Salmonella sp Serotyping of Salmonella (S.Typhimurium, S.Enteritidis, S.Pullorum and S. Gallinarum)	DVS/B 001 In-house method based on scientific publication described in 1-3: 1. Chapter 3.3.11 Fowl Typhoid and Pullorum Disease. WOAH Terrestrial Manual 2018. 2. Chapter 3.10.17. Salmonellosis WOAH Terrestrial Manual 2022. 3. Manual of Veterinary Laboratory Testing for Bacteriology (Documentation No: ML 06/2017). Department of Veterinary Services.
Parasitology - Animal Faeces - Git Contents	Detection & Enumeration of Cestode & Nematode Egg & Coccidia Oocyst by McMaster Technique	DVS/PR 001 In-house method (based on P. Chandrawatani, B. Premaalatha, Jamnah Omar and Zaini Che Mamat. Manual on Parasitology, Jabatan Perkhidmatan Veterinar (2019))

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Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
	Detection of Fluke (Trematode) Egg by Sedimentation Technique	DVS/PR 002 In-house method (based on P. Chandrawatani, B. Premaalatha, Jamnah Omar and Zaini Che Mamat. Manual on Parasitology, Jabatan Perkhidmatan Veterinar, (2019))
Whole Blood In Heparin/edta Tube - Cattle And Buffalo - Horse - Sheep And Goat - Chicken/avian - Small Animal/lab Animal - Wildlife	Detection & Identification of blood protozoa by Thin Blood Smear Technique	DVS/PR 003 In-house method 1) P. Chandrawatani, B. Premaalatha, Jamnah Omar and Zaini Che Mamat. Manual on Parasitology,Jabatan Perkhidmatan Veterinar, (2019) 2) E.J.L. Soulsby. Helminths, Artrhopods, and Protozoa of Domesticated Animals, 7th Edition (1982)