


NO: SAMM 525

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LABORATORY LOCATION/ CENTRAL OFFICE:	Makmal Biosekuriti Perikanan Selangor, Pusat Biosekuriti Perikanan Selangor, Jabatan Perikanan Malaysia Jabatan Perikanan Malaysia Kompleks Kuarantin KLIA, Jalan Pekeliling 4 64000 KLIA, Sepang, Selangor , 64000, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	03 MARCH 2025
FIELD(S) OF TESTING:	VETERINARY CHEMICAL

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).

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FIELD(S) OF TESTING :	VETERINARY, CHEMICAL

SCOPE OF TESTING : VETERINARY

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Virology Fish And Fish Tissues (gill, Kidney, Spleen, Brain)	Fish Tissue Sampling	MBPS/VIRO/TM-TSP – Tissue Sampling Procedure
	PCR Sample Preparation	MBPS/VIRO/TM-SP – Tissue Sample Preparation

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Extraction of Nucleic Acid	<p>MBPS/VIRO/TM-EDNA: DNA Extraction by DNAzol ® Reagent</p> <p>MBPS/VIRO/TM-ERNA: RNA Extraction by TRIzol ® Reagent</p> <p>MBPS/VIRO/TM-TNESILICA: Total Nucleic Acid Extraction by Silica Extraction Kit</p> <p>MBPS/VIRO/TM-TNETACO: Total Nucleic Acid Extraction by TACOTM Extraction Kit</p>
Virology Nucleic Acid Extract	Koi herpes virus (KHV)	<p>In-house Method: MBPS/VIRO/TMNMKHV: Detection of Koi herpes virus (KHV) in samples by Nested Polymerase Chain Reaction (PCR) technique using TK Bercovier Primer based on Chapter 2.3.7: Manual of Diagnostic Tests for Aquatic Animals (2019), page 1-18</p> <p>MBPS/VIRO/TM-IQKHV: Detection of Koi herpes virus (KHV) in samples by test kit IQ2000TM KHV Detection and Prevention System</p> <p>MBPS/VIRO/TM-IQRKHV: Detection of Koi herpes virus (KHV) in samples by test kit IQRealTM KHV Quantitative System</p>

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Spring viraemia of carp virus (SVCV)	<p>In-house Method: MBPS/VIRO/TMRTSVC: Detection of Spring viraemia of carp virus (SVCV) in samples by Nested Reverse Transcriptase Polymerase Chain Reaction (nRT-PCR) Technique Using SVCV Primers based on Chapter 2.3.9: Manual of Diagnostic Tests for Aquatic Animals (2019), page 1-18</p> <p>MBPS/VIRO/TM-IQSVC: Detection of Spring viraemia of carp virus (SVCV) in samples by test kit IQ2000TM SVCV Detection and Prevention System</p> <p>MBPS/VIRO/TM-IQRSVC: Detection of Spring viraemia of carp virus (SVCV) in samples by test kit IQRealTM SVCV Quantitative System</p>
	Yellow head virus (YHV)	MBPS/VIRO/TM-IQRYHV: Yellow head virus (YHV) in samples by test kit IQRealTM YHV Quantitative System
	Taura syndrome virus (TSV)	MBPS/VIRO/TM-IQRTSV: Taura syndrome virus (TSV) in samples by test kit IQRealTM TSV Quantitative System
	Infectious myonecrosis virus (iMNV)	MBPS/VIRO/TM-IQRiMNV: Infectious myonecrosis virus (iMNV) in samples by test kit IQRealTM iMNV Quantitative System
	White spot syndrome virus (WSSV)	MBPS/VIRO/TM-IQRWSSV: Detection of White spot syndrome virus (WSSV) in samples by test kit IQRealTM WSSV Quantitative System
	Infection hypodermal and hematopoietic necrosis virus (IHNV)	MBPS/VIRO/TM-IQRIHNV: Detection of Infection hypodermal and hematopoietic necrosis virus (IHNV) in samples by test kit IQRealTM IHNV Quantitative System

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Megalocytivirus	MBPS/VIRO/TM-MGV: Detection of Megalocytivirus in samples by MaxDetect Megalocytivirus PCR Detection Kit
	Viral nervous necrosis (VNN)	MBPS/VIRO/TM-IQRVNN: Viral nervous necrosis (VNN) in samples by test kit IQReal™ VNN Quantitative System
	Tilapia lake virus (TiLV)	MBPS/VIRO/TM-IQRTiLV: Tilapia lake virus (TiLV) in samples by test kit IQReal™ TiLV Quantitative System
Virology Extracted Homogenate (virus Isolation)	Spring viraemia of carp virus (SVCV)	MBPS/CC/TM-SVC: Identification and Isolation of Spring viraemia of carp virus (SVCV) using EPC/FHM Cell Cultures
Bacteriology Fish And Fish Tissue (kidney)	Isolation and identification of Aeromonas salmonicida	In-house Method: MBPS/MICR/TMAS-Isolation and Identification of Aeromonas salmonicida in Goldfish (Carassius auratus) based on Heil, N. (Ed) 2009. National Wild Fish Health Survey-Laboratory Procedures Manual. 5.0 Edition. U.S. Fish and Wildlife Service, Warm Springs. GA.
	Isolation and identification of Yersinia ruckeri	In-house Method: MBPS/MICR/TMYR-Isolation and Identification of Yersinia ruckeri in Goldfish (Carassius auratus) based on Heil, N. (Ed) 2009. National Wild Fish Health Survey-Laboratory Procedures Manual. 5.0 Edition. U.S. Fish and Wildlife Service, Warm Springs. GA.

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Water	Ammonia (NH ₃)	In-house Method: MBPS/WQ/TMNH ₃ : Analysis of Ammonia in Water based on Macherey-Nagel 985003 Method

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