



MS ISO/IEC 17025

# Certificate of Accreditation

No: SAMM 479

Valid until: 19 October 2013

This is to certify that

**MAKMAL BIOSERASI  
INSTITUT BIOLOGI SISTEM (INBIOSIS)  
UNIVERSITI KEBANGSAAN MALAYSIA  
BANGI, SELANGOR  
MALAYSIA  
(FIELD OF TESTING : TOXICITY)**

has been granted accreditation in respect of the scope of accreditation described in the SCHEDULE attached, subject to the terms and conditions governing the *Skim Akreditasi Makmal Malaysia (SAMM)*, the Laboratory Accreditation Scheme of Malaysia.

Laboratories accredited under SAMM meet the requirements of MS ISO/IEC 17025 'General requirements for the competence of testing and calibration laboratories'. This Malaysian Standard is identical with ISO/IEC 17025 published by the International Organization for Standardization (ISO).

*"This laboratory is accredited in accordance with recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communique dated 18 June 2005)"*



**(RIDZWAN KASIM)**  
for the Director General  
Department of Standards Malaysia  
Date of issue: 19 October 2010



**LABORATORY LOCATION:** (PERMANENT LABORATORY) **MAKMAL BIOSERASI  
INSTITUT BIOLOGI SISTEM (INBIOSIS)  
UNIVERSITI KEBANGSAAN MALAYSIA  
43600 UKM BANGI  
SELANGOR, MALAYSIA**

The standard used for assessment of this laboratory is MS ISO/IEC 17025:2005

**FIELD OF TESTING : TOXICITY**

**SCOPE OF ACCREDITATION:**

<u>Materials / Products Tested</u>	<u>Type of Tests / Properties Measured / Range of Measurement</u>	<u>Standard Test Methods / Equipment / Techniques</u>
Chemical Products / Cosmetic Products / Medical Devices / Manufactured Products / Processed Industrial Waste	Cellular morphological damage	TM-TC-01 MEM Elution Assay -- ISO 10993-5:1999
	Determination of cell proliferation and viability	TM-TC-04 MTT Assay based on <i>J. Immunol. Methods</i> , (1983) 65:55-63
	DNA damage, DNA strand breaks	TM-TG-03 Alkaline Comet Assay based on <i>Environ Mol Mutagen</i> ,(2000) 35: 206-221
	Irritation effect of skin	TM-PSI-03 Primary Skin Irritation Assay -- ISO 10993-10:2002
		TM-PSI-02 Primary Skin Irritation Assay -- 16 CFR 1500.41 & 1500.3(c)(4)
	Effect of skin sensitisation	TM-DSA-01-01 Dermal Sensitisation Assay -- Closed Patch Test (Modified Buehler Method) based on <i>Arch Dermat</i> , (1965) 91:171-175
		TM-DSA-02-02 Dermal Sensitization Assay -- Maximization -- ASTM F720-81 (Reapproved 2007)
	Raise in body temperature	TM-PYR-01 Rabbit Pyrogen Test -- USP 26, <151> (2003)

**Signatories:**

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