



ISO 17025  
ACCREDITED  
TESTING  
N° 005

## MLS BIO DNA Ltd. SCOPE OF ACCREDITATION

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### ACCREDITATION INFORMATION – TESTING LABORATORY

<b>Accreditation No.</b>	005
<b>Accreditation Certificate No.</b>	005/01
<b>Accredited according to:</b>	MSA EN ISO/IEC 17025:2005
<b>Accreditation Validity:</b>	12 <sup>th</sup> April 2007 – 12 <sup>th</sup> April 2011
<b>Accreditation Scope No.</b>	005/1 (Revision 1)
<b>Date of issue of this Scope:</b>	24 <sup>th</sup> April 2007

### TESTING LABORATORY

#### Laboratory Locations

Location Details	Activity	Location Code
<b>Address</b> KBIC Units 2150, 2160, Kordin Industrial Estate, Paola Malta	<b>Local Contact</b> Mrs M. Cassar  <b>Tel:</b> +356 23980146 <b>Fax:</b> +356 23980161 <b>Email:</b> <a href="mailto:info@mlsbiodna.com">info@mlsbiodna.com</a> <b>Website:</b> <a href="http://www.mlsbiodna.com">www.mlsbiodna.com</a>	Chemical Tests DNA Tests Forensic Analysis Food Microbiology Tests  A



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## SCOPE OF ACCREDITATION

### SCOPE OF ACCREDITATION

Issue No: 005/1

Page 2 of 4

ATG04	Material/Product/ Matrix tested/calibrated	Type of test/calibration and/or property measured, range of measurement*	Standard Specifications/ In-House Methods/ Equipment/ Techniques	Loc. Code
	<b><u>DNA Tests</u></b>			
1076.06	Blood, body tissues and fluids, buccal swabs, hair, saliva and semen	<b><u>Forensic Analysis</u></b> DNA profiling: Analysis of STR loci	In house methods using extraction, amplification (PCR), electrophoresis and genetic characterization.	A
1076.06	Buccal swabs	Paternity and relationship testing	In house methods using extraction, amplification (PCR), electrophoresis and genetic characterization.	A
	Cellular material	Human mitochondrial DNA analysis of the control region and comparison of results with reference samples	In house methods using extraction, amplification (PCR), sequencing or mini sequencing, electrophoresis and analysis of results	A
1076.06	Buccal Swab Blood (Absorbent Material) Blood (Non-Absorbent Material) Semen (Absorbent Material) Semen (Non-Absorbent Material) Chewing Gum Cigarette Hair Nails Liquid Urine Faecal Matter	DNA extraction using Genomic DNA extraction Kit	MBDSOPTC001 MBDSOPTC002 MBDSOPTC003 MBDSOPTC004 MBDSOPTC005 MBDSOPTC006 MBDSOPTC007 MBDSOPTC008 MBDSOPTC009 MBDSOPTC011 MBDSOPTC012	A
1076.06	Vaginal Swabs	DNA extraction using the Differential Lysis method	MBDSOPTC013	A



# MLS BIO DNA Ltd.

## SCOPE OF ACCREDITATION

**SCOPE OF ACCREDITATION**

**Issue No: 005/1**

**Page 3 of 4**

ATG04	Material/Product/ Matrix tested/calibrated	Type of test/calibration and/or property measured, range of measurement*	Standard Specifications/ In-House Methods/ Equipment/ Techniques	Loc. Code
1076.01	Molecular Diagnostics	Y Chromosome microdeletions Androgen Receptor Beta Thalassemia Hepatitis B Hepatitis C Leishmania Chlamydia trachomatis Neisseria Gonorrhoea Human Papilloma Virus	MBDSOPTC021 MBDSOPTC022 MBDSOPTC023 MBDSOPTC024 MBDSOPTC025 MBDSOPTC026 MBDSOPTC027 MBDSOPTC028 MBDSOPTC029	A
1076.06	DNA	DNA Sequencing	MBDSOPTC037	A
1076.06	Blood	DNA Extraction	MBDSOPTC038	A
1076.06	Twin Zygosity	DNA Extraction	MBDSOPTC039	A
1076.06	Buccal Swab	Sample Collection	MBDSOPTC040	A
1076.06	Bird Sexing	Genotyping	MBDSOPTC030	A
	<b><u>Chemical Tests</u></b>			
1059	Any material or object	<b><u>Forensic analysis</u></b> Identification blood and semen	In house method using tests for enzyme activity MBDSOPTC019 MBDSOPTC020	A



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## MLS BIO DNA Ltd. SCOPE OF ACCREDITATION

<b>Food Microbiology Tests</b>				
<b>Microbiological tests on Foods</b>				
	Food and food products	Enumeration of micro-organisms	In house methods; Isolation and identification of bacterial colonies	
<b>DNA Tests on Foods</b>				
	Food and food products	Microbiological and molecular analysis - Detection of pathogenic bacteria	In house methods: microbiological enrichment of food sample in culture broth, DNA extraction, amplification by Real Time PCR and interpretation of results	A
811	Food products	Enumeration of Staphylococcus Aureus	MBDSOPTC031 (Confirmation by latex test)	A
811	Food products	Detection of Salmonella Enterica using real time PCR technology	MBDSOPTC032	A
811	Food products	Detection of Campylobacter Jejuni using real time PCR technology	MBDSOPTC033	A
811	Cheese, chicken	Detection of Listeria Monocytogenes using real time PCR technology	MBDSOPTC034	A
811.04	Meat	Escherichia Coli (E-Coli) 0157	MBDSOPTC035 Rev1	A
811.04	Food products	Enumeration of Total Coliforms	MBDSOPTC036 Rev1	A
<b>END OF SCOPE</b>				

This scope of accreditation may be revised from time to time by NAB-MALTA. To obtain an up-to-date scope contact NAB-MALTA ([info@nabmalta.org.mt](mailto:info@nabmalta.org.mt)).