Hong Kong Molecular Pathology Diagnostic Centre Limited
香港分子病理檢驗中心有限公司

ADDRESS : 35/F, Enterprise Square Two, 3 Sheung Yuet Road, Kowloon Bay, Kowloon
地址 九龍九龍灣常悅道 3 號企業廣場二期 35 字樓

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CLIENTELE : Private physicians, medical centres, hospitals and other medically related institutions
服務對象 私家醫生,醫療中心,醫院和與醫療有關的機構

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LABORATORY DIRECTOR **化驗所主管**	:	**Biomedical Scientist Director 醫務科學主管:** Dr Stella TSANG Tsui-ying 曾璀瑩博士 PhD, MB(ASCPi), FIBMS, Reg Part I MLT
ACCREDITED TEST CATEGORY **認可測試類別**	:	**Medical Testing** **醫務化驗** Medical Genetics (Molecular Genetics) 醫學遺傳學 (分子遺傳學)

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MEDICAL TESTING			
DISCIPLINE 專科範疇	**TEST AREA OR SAMPLE TYPE** 測試範圍或樣本種類	**SPECIFIC EXAMINATION OR PROPERTY MEASURED** 特定測試或量度的特性	**METHOD OR TECHNIQUE USED** 方法或應用技術
This laboratory is accredited for performing the examinations and for providing clinical interpretation of the examinations listed below.			
Medical Genetics	**Molecular Genetics** Tissue specimens	ALK Gene Rearrangement by Fluorescence In-Situ Hybridisation	Tissue preparation as documented in LP201. Detection by Fluorescence In-Situ Hybridisation as documented in LP201.
		BRAF Gene Codon V600 Mutation by Polymerase Chain Reaction and Sanger Sequencing	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP203, LP102, LP103, LP106 and LP110.
		Chromosome 1p/19q Deletion by Fluorescence In-Situ Hybridisation	Tissue preparation as documented in LP206. Detection by Fluorescence In-Situ Hybridisation as documented in LP206.
		EGFR Gene Exons 18-21 Hotspot Mutations by - Polymerase Chain Reaction and Sanger Sequencing - Real-time PCR	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP207, LP102, LP103, LP106, LP109 and LP110.
		ERBB2 (HER2) Gene Exon 20 Mutation by Polymerase Chain Reaction and Sanger Sequencing	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP208, LP102, LP103, LP106 and LP110.
		ERBB2 (HER2) Gene Amplification by Fluorescence In-Situ Hybridisation	Tissue preparation as documented in LP209. Detection by Fluorescence In-Situ Hybridisation as documented in LP209.
		KIT Gene Exons 9, 11, 13, 14 and 17 Hotspot Mutations by Polymerase Chain Reaction and Sanger Sequencing	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP211, LP102, LP103, LP106 and LP110.

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Medical Genetics (cont'd)	**Molecular Genetics (cont'd)** Tissue specimens (cont'd)	KRAS Gene Exons 2-4 Hotspot Mutations by Polymerase Chain Reaction and Sanger Sequencing	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP212, LP102, LP103, LP106 and LP110.
		MGMT Promoter Methylation by Methylation Specific PCR	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP213, LP106 and LP110.
		Microsatellite Instability Testing by Polymerase Chain Reaction and Fragment Analysis	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP215, LP107 and LP110.
		NRAS Gene Exons 2-4 Hotspot Mutations by Polymerase Chain Reaction and Sanger Sequencing	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP217, LP102, LP103, LP106 and LP110.
		PDGFRA Gene Exons 12 and 18 Hotspot Mutations by Polymerase Chain Reaction and Sanger Sequencing	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP218, LP102, LP103, LP106 and LP110.
		PIK3CA Gene Exons 9 and 20 Hotspot Mutations by Polymerase Chain Reaction and Sanger Sequencing	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP219, LP102, LP103, LP106 and LP110.
		ROS1 Gene Rearrangement by Fluorescence In-Situ Hybridisation	Tissue preparation as documented in LP201. Detection by Fluorescence In-Situ Hybridisation as documented in LP201.

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Medical Genetics (cont'd)	**Molecular Genetics (cont'd)**		
	Tissue specimens and EDTA whole blood	PTEN Gene Mutation Detection by Polymerase Chain Reaction and Sanger Sequencing, with or without Multiplex Ligation-dependent Probe Amplification	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP220, LP102, LP103, LP104, LP106, LP107, LP108 and LP110.
		TP53 Gene Mutation Detection by Polymerase Chain Reaction and Sanger Sequencing, with or without Multiplex Ligation-dependent Probe Amplification	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP222, LP102, LP103, LP104, LP106, LP107, LP108 and LP110.
	EDTA whole blood	APC Gene Mutation by Polymerase Chain Reaction and Sanger Sequencing, with or without Multiplex Ligation-dependent Probe Amplification	Nucleic acid extraction as documented in LP101. Nucleic acid amplification and post amplification processing as documented in LP202, LP102, LP103, LP104, LP106, LP107, LP108 and LP110.
		BRCA1 and BRCA2 Genes Mutation by Polymerase Chain Reaction and Sanger Sequencing, with or without Multiplex Ligation-dependent Probe Amplification	Nucleic acid extraction as documented in LP101. Nucleic acid amplification and post amplification processing as documented in LP204, LP102, LP103, LP104, LP106, LP107, LP108 and LP110.
		MLH1, MSH2, MSH6 and PMS2 (MMR) Genes Mutation by Polymerase Chain Reaction and Sanger Sequencing, with or without Multiplex Ligation-dependent Probe Amplification	Nucleic acid extraction as documented in LP101. Nucleic acid amplification and post amplification processing as documented in LP214, LP102, LP103, LP104, LP106, LP107, LP108 and LP110.
		MUTYH Gene Mutation by Polymerase Chain Reaction and Sanger Sequencing, with or without Multiplex Ligation-dependent Probe Amplification	Nucleic acid extraction as documented in LP101. Nucleic acid amplification and post amplification processing as documented in LP216, LP102, LP103, LP104, LP106, LP107, LP108 and LP110.
		STK11 Gene Mutation by Polymerase Chain Reaction and Sanger Sequencing, with or without Multiplex Ligation-dependent Probe Amplification	Nucleic acid extraction as documented in LP101. Nucleic acid amplification and post amplification processing as documented in LP221, LP102, LP103, LP104, LP106, LP107, LP108 and LP110.

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Medical Genetics (cont'd)	**Molecular Genetics (cont'd)**		
	Cervical scrapping and cervical aspirate	Detection and Genotyping of Human Papillomavirus (HPV), High Risk and Low Risk Genotypes by Polymerase Chain Reaction and Flow-through Hybridisation (Target region: L1 gene)	Nucleic acid extraction as documented in LP101. Nucleic acid amplification and post amplification processing as documented in LP210.
	Tissue specimens	IDH1 & IDH2 Genes Exon 4 Hotspot Mutations by Polymerase Chain Reaction and Sanger Sequencing	Nucleic acid extraction as documented in LP101 and LP111. Nucleic acid amplification and post amplification processing as documented in LP203, LP102, LP103, LP106 and LP110.

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Medical Genetics (cont'd)	**Molecular Genetics (Microbiology)**		
	Urine and genital swab (Urethral swab, vaginal swab, cervical swab)	Detection of Chlamydia trachomatis, Neisseria gonorrhoeae and Ureaplasma urealyticum by Polymerase Chain Reaction and Flow-through Hybridisation	Nucleic acid extraction as documented in LP101. Nucleic acid amplification and post amplification processing as documented in LP301.
		Detection and Genotyping HSV Type 1 and HSV Type 2 by Qualitative Real-time Polymerase Chain Reaction	Nucleic acid extraction as documented in LP101. Nucleic acid amplification and post amplification processing as documented in LP304.
	Deep throat saliva, Nasopharyngeal swab, Sputum and Throat swab	Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2), qualitative by Real-Time Reverse Transcription Polymerase Chain Reaction (Target gene: ORF1 ab and/or N-gene)	Nucleic acid extraction as documented in LP101. Nucleic acid amplification and post amplification processing as documented in LP306.