



Human Genetic Laboratory

Department of Pathology, Faculty of Medicine Ramathibodi Hospital

Rama 6 Rd. Bangkok 10400

Tel. 0-2201-1267, 1369, 1463-4

For Laboratory Use Only

Lab No. / TID _____

Received By _____

Date _____ Time _____

Patient Identification

Patient Name _____

H.N. _____ Age _____ Gender ☐ Male ☐ Female

OPD / Ward _____ Tel. _____

For Other Hospital / Company Use Only

Name _____

Tel. _____

Fax. _____

Clinical Information (Analytical process CANNOT be completed without adequate patient identification, clinical information and specimen type)

Clinical Diagnosis / Indication

Dr. _____

Tel. _____

E-mail _____

Genetic disorders (Prenatal and Postnatal genetic analysis) *For PND cases, please fill-in the details below.

Collection date _____ Amount _____ GA by Date _____ GA by U/S _____

PARA _____ Nature _____ LMP _____

Laboratory Test	Anticoagulant		รหัสบริการคนละตามชนิดส่งตรวจ			Laboratory Test	Anticoagulant		รหัสบริการคนละตามชนิดส่งตรวจ		
	Heparin	EDTA	AF	CV	CB		Heparin	EDTA	Breast	Stomach	Other
Prenatal chromosome analysis			300001	300002	300006	HER-2/neu gene by FISH + Unstain slide (ไม่อ่าน)			300122 +11844	300123 +11844	300124 +11844
Genetic disorders chromosome	Heparin	EDTA	PB	CB	HB		Heparin	EDTA	PB	Other	
	✓		300005	300006	300007	DNA extraction		✓			300146
	Heparin	EDTA	PB	CB	Other	Fragile X syndrome		✓	300077		
Slide preparation and karyotyping					300169	BRCA1 screening by		✓	300242		300243
Cell maintenance and karyotyping					300170	BRCA2 screening by		✓	300244		300245
Cell culture					300141	BRCA1 and BRCA2 screening by MLPA		✓	300246		300247
VCFS/DiGeorge/CATCH22 (FISH analysis)	✓		300047	300048	300050	RB1 deletion/ duplication by MLPA		✓	300263		300264
Williams syndrome (FISH analysis)	✓		300069	300071	300072	Mitochondrial disease screening by MLPA		✓	300265		300266
Prader-Willi syndrome (FISH analysis) (2 probes)	✓		300088	300090	300091	Prader-Willi/Angelman syndrome by MS-MLPA		✓	300275		300276
Trisomy 18 by FISH	✓	✓	300219	300220	300221	Duchenne muscular dystrophy by MLPA		✓	300240		300241
Trisomy 21 by FISH	✓	✓	300024	300028	300029	Spinal muscular atrophy screening by MLPA		✓	300294		300295
Sex chromosome by FISH	✓	✓	300018	300022	300023	Postnatal Chromosomal Microarray		✓	300252		300253
N-myc amplification by FISH	✓	✓	300055		300058			✓			
RB1 gene by FISH	✓	✓	300062		300064	Trio Chromosomal Microarray		✓	300254		300255
SRY gene by FISH	✓	✓	300267	300268	300269						
Aneuploidies 13, 18, 21, X and Y chromosome by FISH	✓	✓	300224	300225	300226						
Laboratory Test	EDTA	AF	CV	CB	HB	PB	POC	Other			
Prenatal Chromosomal Microarray	✓	300248	300250	300249				300251			
Rapid detection of aneuploidies 13, 18, 21, X, Y and 9 Microdeletion by BoBs	✓	300153	300154	300155	300179	300180	300181	300156			
Rapid aneuploidy screening in all 24 chromosomes by BoBs	✓	300157	300158	300159	300182	300183	300160	300161			
Rapid detection of 24 chromosomal abnormalities and 9 microdeletion syndromes by BoBs	✓	300164	300165	300166	300184	300185	300167	300168			
Rapid detection of aneuploidies 13, 18, 21, X and Y by QF-PCR	✓	300188	300189	300190	300191	300192	300193	300194			

Human Genetic Requisition Form

รายละเอียดการทดสอบ ห้องปฏิบัติการมนุษย์พันธุศาสตร์



Page 2 of 2

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Hematologic malignancy Tests

☐ New diagnosis ☐ Follow up ☐ Remission ☐ Relapse

WBC _____ cells, Neu _____ %, Lym _____ %, Blast _____ %

(Collection Date _____ Time _____) Last date of chemotherapy _____

Pre BMT / SCT

☐ Donor ☐ Recipient

Post BMT / SCT

☐ Autologous ☐ Male donor ☐ Female donor

Requisition status

☐ Preliminary ☐ Urgent

Laboratory Test	Anticoagulant		รหัสบริการคณะตามชนิดสิ่งส่งตรวจ		
	Heparin	EDTA	BM	PB	Other
☐ Leukemia chromosome analysis	✓		300009	300010	
ALL ☐ Multiplex RT-PCR for <i>BCR/ABL</i> p190, <i>TEL/AML1</i> , <i>E2A/PBX1</i> , <i>MLL/AF4</i> in ALL and CML		✓	300174	300173	
☐ <i>TEL/AML</i> Fusion gene by FISH	✓	✓	300074	300073	300076
☐ Detection of <i>MLL</i> by FISH	✓	✓	300256	300257	300258
☐ <i>IKAROS (IKZF1)</i> and Common genetic alterations		✓	300238	300237	300239
AML ☐ <i>FLT3</i> Gene mutation in AML		✓	300148	300147	
☐ Rapid <i>FLT3</i> Gene mutation for newly diagnosed AML		✓	300279	300280	
☐ <i>NPM1</i> Gene mutation in AML		✓	300150	300149	
☐ <i>CEBPA</i> Gene mutation in AML by direct sequencing		✓	300178	300177	
☐ <i>PML/RARA</i> Fusion gene by FISH	✓	✓	300060	300059	300061
☐ Multiplex RT-PCR for <i>AML1/ETO</i> , <i>CBFB/MYH11</i> , <i>PML/RARA</i> in AML		✓	300152	300151	
☐ <i>PML/RARA</i> Fusion gene by RT-PCR [bcr1 and bcr3]		✓	300187	300186	
CML ☐ <i>BCR/ABL</i> p210 by RQ-PCR		✓	300086	300087	
☐ <i>BCR/ABL</i> p190 by quantitative PCR		✓	300273	300274	
☐ Fusion gene for <i>BCR/ABL</i> by RT-PCR		✓	300003	300004	
☐ <i>BCR/ABL</i> Mutation detection by direct sequencing		✓	300130	300129	
☐ <i>BCR/ABL</i> Fusion gene by FISH	✓	✓	300040	300041	300042
MM ☐ Multiple myeloma by FISH [del (17) and t(4;14)]		✓	300171		
☐ Multiple myeloma by FISH [del (13), del (17), t(4;14) and t(14;16)]		✓	300172		
☐ Multiple myeloma by FISH [8 probes]		✓	300227		300229
☐ IgH clone/MRD MM by NGS (please specify the treatment therapy)		✓	300277 + 11866	300278 + 11866	
☐ Diagnostic ☐ Induction therapy ☐ Initial therapy ☐ Transplant consolidation ☐ Maintenance ☐ Relapse ☐ Supportive care ☐ Other.....		✓			
MPNs ☐ <i>JAK2</i> V617F Mutation by AS-PCR		✓	300126	300125	
☐ <i>CALR</i> (Exon 9) Mutation analysis		✓	300223	300222	
☐ <i>JAK2</i> , <i>MPL</i> , <i>CALR</i> and <i>KIT</i> mutations in MPNs		✓	300318	300319	
☐ FISH for <i>FIPL1-PDGFR</i> fusion	✓	✓	300230	300231	300232
CLL ☐ CLL panel by FISH	✓	✓	300271	300270	300272
☐ Deletion of 6q23 by FISH	✓	✓	300285	300284	
☐ <i>ATM</i> gene by FISH	✓	✓	300287	300286	
☐ Trisomy 12 by FISH	✓	✓	300289	300288	
☐ Deletion of 13q14 by FISH	✓	✓	300291	300290	
☐ TP53 by FISH	✓	✓	300293	300292	
☐ Sex chromosome by FISH	✓	✓	300020	300018	300023
☐ Screening of 28 chromosome translocations in leukemia by RT-qPCR		✓	300262	300261	
☐ DNA Fingerprint		✓	300014	300013	300017
☐ MYD88 L265P mutation by AS-PCR		✓	300281	300282	300283