



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		รหัสบริการคนละตาม		
	Heparin	EDTA	AF	CV	CB
Prenatal chromosome analysis			300001	300002	300006
	Heparin	EDTA	PB	CB	HB
Genetic disorders chromosome	✓		300005	300006	300007
Chromosome breakage analysis for Fanconi anemia	✓		300328		
Slide preparation and karyotyping	300169		Other Please contact the officer before ordering.		
Cell maintenance and karyotyping	300170				
Cell culture	300141				
VCFS/DiGeorge/CATCH22 (FISH analysis)	✓		300047	300048	300050
Williams syndrome (FISH analysis)	✓		300069	300071	300072
Prader-Willi syndrome (FISH analysis) (2 probes)	✓		300088	300090	300091
Sex chromosome by FISH	✓	✓	300018	300022	
RB1 gene by FISH	✓	✓	300062		300064
SRY gene by FISH	✓	✓	300267	300268	300269
Aneuploidies 13, 18, 21, X and Y chromosome by FISH	✓	✓	300224	300225	300226

Laboratory Test	รหัสบริการคนละตามชนิดสิ่งส่งตรวจ			
	FFPE	Breast	Stomach	Other
HER-2/neu gene by FISH		300122	300123	300124
+ Unstain slide (ไม่อ่าน)		11844	11844	11844
N-Myc amplification by FISH	300057			300058
+ Unstain slide (ไม่อ่าน)	11844			11844
Neuroblastoma by FISH panel	300324			300325
+ Unstain slide (ไม่อ่าน)	11844			11844
	EDTA	PB		Other
DNA extraction	✓			300146
BRCA1 screening by MLPA	✓	300242		300243
BRCA2 screening by MLPA	✓	300244		300245
BRCA1 and BRCA2 screening by MLPA	✓	300246		300247
RB1 deletion/duplication by MLPA	✓	300263		300264
Mitochondrial disease screening by MLPA	✓	300265		300266
Prader-Willi/Angelman syndrome by MS-MLPA	✓	300275		300276
Duchenne muscular dystrophy by MLPA	✓	300240		300241
Von Hippel-Lindau (VHL) disease by MPLA	✓	300331		300332
Spinal muscular atrophy screening by MLPA	✓	300294		300295

Laboratory Test	EDTA	AF	CV	CB	HB	PB	POC	Stool	Other
Stool DNA (SDC2) methylation for colorectal cancer screening								300329	300330
Prenatal Chromosomal Microarray	✓	300248	300250	300249					300251
Postnatal Chromosomal Microarray	✓					300252			300253
Fragile X syndrome analysis	✓	300345				300077			
Trio Chromosomal Microarray	✓					300254			300255
Exon CNV detection by microarray	✓					300322			300323
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						Page 2 of 2		
Patient Identification Patient Name _____ H.N. _____ Age _____ Gender ☐ Male ☐ Female OPD / Ward _____ Tel. _____					For Laboratory Use Only Lab No. / TID _____ Received By _____ Date _____ Time _____			
Hematologic malignancy Tests ☐ New diagnosis ☐ Follow up ☐ Remission ☐ Relapse		WBC _____ cells, Neu _____ %, Lym _____ %, Blast _____ %		Clinical Diagnosis 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		รหัสบริการคณะฯตามชนิดสิ่งส่งตรวจ		
				Heparin	EDTA	BM	PB	Other
☐ Leukemia chromosome analysis				✓		300009	300010	
ALL ☐ Multiplex RT-PCR for BCR::ABL1 p190, TEL::AML1, E2A::PBX1, MLL::AF4 in ALL and CML					✓	300174	300173	
☐ TEL::AML1 Fusion gene by FISH				✓	✓	300074	300073	300076
☐ Detection of MLL by FISH				✓	✓	300256	300257	300258
☐ IKAROS (IKZF1) and Common genetic alterations					✓	300238	300237	300239
AML ☐ FLT3 Gene mutation in AML					✓	300148	300147	
☐ Rapid FLT3 Gene mutation for newly diagnosed AML					✓	300279	300280	
☐ NPM1 Gene mutation in AML					✓	300150	300149	
☐ CEBPA Gene mutation in AML by direct sequencing					✓	300178	300177	
☐ PML::RARA Fusion gene by FISH				✓	✓	300060	300059	300061
☐ Multiplex RT-PCR for AML1::ETO, CBFB::MYH11, PML::RARA in AML					✓	300152	300151	
☐ PML::RARA Fusion gene by RT-PCR [bcr1 and bcr3]					✓	300187	300186	
☐ PML::RARA by quantitative PCR (L-subtype; bcr1)					✓	300333	300334	
☐ PML::RARA by quantitative PCR (V-subtype; bcr2)					✓	300335	300336	
☐ PML::RARA by quantitative PCR (S-subtype; bcr3)					✓	300337	300338	
☐ RUNX1::RUNX1T1 by quantitative PCR					✓	300339	300340	
CML ☐ BCR::ABL1 p210 by RQ-PCR					✓	300086	300087	
☐ BCR::ABL1 p190 by quantitative PCR					✓	300273	300274	
☐ Fusion gene for BCR::ABL1 by RT-PCR					✓	300003	300004	
☐ BCR::ABL1 p190 Mutation detection by direct sequencing					✓	300341	300342	
☐ BCR::ABL1 p210 Mutation detection by direct sequencing					✓	300130	300129	
☐ BCR::ABL1 p230 Mutation detection by direct sequencing					✓	300343	300344	
☐ BCR::ABL1 Fusion gene by FISH				✓	✓	300041	300040	300042
MM ☐ Multiple myeloma by FISH [del (17) and t(4;14)]				✓	✓	300171		
☐ Multiple myeloma by FISH [1p/1q, del (17), t(4;14) and t(14;16)]				✓	✓	300172		
☐ Multiple myeloma by FISH [8 probes]				✓	✓	300227		300229
☐ IgH Clone/MRD MM, B-cell malignancies by NGS (please specify the treatment)					✓	300277 11866	300278 11866	
☐ Diagnostic ☐ Induction therapy ☐ Initial therapy ☐ Transplant consolidation ☐ Maintenance ☐ Relapse ☐ Supportive care ☐ Other.....								
MPNs ☐ JAK2 V617F Mutation by AS-PCR					✓	300126	300125	
☐ CALR (Exon 9) Mutation analysis					✓	300223	300222	
☐ JAK2, MPL, CALR and KIT mutations in MPNs					✓	300318	300319	
☐ JAK2 V617F mutation by quantitative PCR					✓	300320	300321	
☐ FISH for FIPL1::PDGFRA fusion				✓	✓	300230	300231	300232
CLL ☐ CLL panel by FISH				✓	✓	300271	300270	300272
☐ Deletion of 6q23 by FISH				✓	✓	300285	300284	
☐ ATM 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
☐ Deletion of 5q by FISH				✓	✓	300327	300326	
☐ 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