



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 _____ Name _____

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

OPD / Ward _____ Tel. _____ Fax. _____

For Other Hospital / Company Use Only

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		รหัสบริการคณาะตาม			Laboratory Test	รหัสบริการคณาะตามชนิดสิ่งส่งตรวจ				
	Heparin	EDTA	AF	CV	CB		FFPE	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	✓		300005	300006	300007	N-Myc amplification by FISH + Unstain slide (ไม่อ่าน)	300057 11844			300058 11844	
Chromosome breakage analysis for Fanconi anemia	✓		300328			Neuroblastoma by FISH panel + Unstain slide (ไม่อ่าน)	300324 11844			300325 11844	
Slide preparation and karyotyping					300169	DNA extraction	✓			300146	
Cell maintenance and karyotyping					300170	Fragile X syndrome analysis	✓	300077			
Cell culture					300141	BRCA1 screening by MLPA	✓	300242		300243	
VCFS/DiGeorge/CATCH22 (FISH analysis)	✓		300047	300048	300050	BRCA2 screening by MLPA	✓	300244		300245	
Williams syndrome (FISH analysis)			300069	300071	300072	BRCA1 and BRCA2 screening by MLPA	✓	300246		300247	
Prader-Willi syndrome (FISH analysis) (2 probes)			300088	300090	300091	RB1 deletion/duplication by MLPA	✓	300263		300264	
Sex chromosome by FISH	✓	✓	300018	300022	300023	Mitochondrial disease screening by MLPA	✓	300265		300266	
RB1 gene by FISH	✓	✓	300062		300064	Prader-Willi/Angelman syndrome by MS-MLPA	✓	300275		300276	
SRY gene by FISH	✓	✓	300267	300268	300269	Duchenne muscular dystrophy by MLPA	✓	300240		300241	
Aneuploidies 13, 18, 21, X and Y chromosome by FISH	✓	✓	300224	300225	300226	Von Hippel-Lindau (VHL) disease by MPLA	✓	300331		300332	
						Spinal muscular atrophy screening by MLPA	✓	300294		300295	
							EDTA	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
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

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Hematologic malignancy Tests		Clinical Diagnosis				
<input type="checkbox"/> New diagnosis	<input type="checkbox"/> Follow up	WBC _____ cells, Neu _____%,	Collection Date _____ Time _____ Last date of chemotherapy _____			
<input type="checkbox"/> Remission	<input type="checkbox"/> Relapse	Lym _____%, Blast _____%				
Pre BMT / SCT		Post BMT / SCT		Requisition status		
<input type="checkbox"/> Donor	<input type="checkbox"/> Recipient	<input type="checkbox"/> Autologous	<input type="checkbox"/> Male donor	<input type="checkbox"/> Preliminary	<input type="checkbox"/> Urgent	
Laboratory Test		Anticoagulant		รหัสบริการคณะฯตามชนิดสิ่งส่งตรวจ		
		Heparin	EDTA	BM	PB	Other
<input type="checkbox"/> Leukemia chromosome analysis		✓		300009	300010	
ALL <input type="checkbox"/> Multiplex RT-PCR for BCR::ABL1 p190, TEL::AML1, E2A::PBX1, MLL::AF4 in ALL and CML			✓	300174	300173	
<input type="checkbox"/> TEL::AML1 Fusion gene by FISH		✓	✓	300074	300073	300076
<input type="checkbox"/> Detection of MLL by FISH		✓	✓	300256	300257	300258
<input type="checkbox"/> IKAROS (IKZF1) and Common genetic alterations			✓	300238	300237	300239
AML <input type="checkbox"/> FLT3 Gene mutation in AML			✓	300148	300147	
<input type="checkbox"/> Rapid FLT3 Gene mutation for newly diagnosed AML			✓	300279	300280	
<input type="checkbox"/> NPM1 Gene mutation in AML			✓	300150	300149	
<input type="checkbox"/> CEBPA Gene mutation in AML by direct sequencing			✓	300178	300177	
<input type="checkbox"/> PML::RARA Fusion gene by FISH		✓	✓	300060	300059	300061
<input type="checkbox"/> Multiplex RT-PCR for AML1::ETO, CBFβ::MYH11, PML::RARA in AML			✓	300152	300151	
<input type="checkbox"/> PML::RARA Fusion gene by RT-PCR [bcr1 and bcr3]			✓	300187	300186	
<input type="checkbox"/> PML::RARA by quantitative PCR (L-subtype; bcr1)			✓	300333	300334	
<input type="checkbox"/> PML::RARA by quantitative PCR (V-subtype; bcr2)			✓	30335	300336	
<input type="checkbox"/> PML::RARA by quantitative PCR (S-subtype; bcr3)			✓	300337	300338	
<input type="checkbox"/> RUNX1::RUNX1T1 by quantitative PCR			✓	300339	300340	
CML <input type="checkbox"/> BCR::ABL1 p210 by RQ-PCR			✓	300086	300087	
<input type="checkbox"/> BCR::ABL1 p190 by quantitative PCR			✓	300273	300274	
<input type="checkbox"/> Fusion gene for BCR::ABL1 by RT-PCR			✓	300003	300004	
<input type="checkbox"/> BCR::ABL1 p190 Mutation detection by direct sequencing			✓	300341	300342	
<input type="checkbox"/> BCR::ABL1 p210 Mutation detection by direct sequencing			✓	300130	300129	
<input type="checkbox"/> BCR::ABL1 p230 Mutation detection by direct sequencing			✓	300343	300344	
<input type="checkbox"/> BCR::ABL1 Fusion gene by FISH		✓	✓	300041	300040	300042
MM <input type="checkbox"/> Multiple myeloma by FISH [del (17) and t(4;14)]		✓	✓	300171		
<input type="checkbox"/> Multiple myeloma by FISH [1p/1q, del (17), t(4;14) and t(14;16)]		✓	✓	300172		
<input type="checkbox"/> Multiple myeloma by FISH [8 probes]		✓	✓	300227		300229
<input type="checkbox"/> IgH Clone/MRD MM, B-cell malignancies by NGS	<input type="checkbox"/> Diagnostic	<input type="checkbox"/> Induction therapy	<input type="checkbox"/> Initial therapy	300277	300278	
(please specify the treatment)	<input type="checkbox"/> Transplant consolidation	<input type="checkbox"/> Maintenance		11866	11866	
<input type="checkbox"/> Relapse	<input type="checkbox"/> Supportive care	<input type="checkbox"/> Other.....				
MPNs <input type="checkbox"/> JAK2 V617F Mutation by AS-PCR			✓	300126	300125	
<input type="checkbox"/> CALR (Exon 9) Mutation analysis			✓	300223	300222	
<input type="checkbox"/> JAK2, MPL, CALR and KIT mutations in MPNs			✓	300318	300319	
<input type="checkbox"/> JAK2 V617F mutation by quantitative PCR			✓	300320	300321	
<input type="checkbox"/> FISH for FIPL1::PDGFRA fusion		✓	✓	300230	300231	300232
CLL <input type="checkbox"/> CLL panel by FISH		✓	✓	300271	300270	300272
<input type="checkbox"/> Deletion of 6q23 by FISH		✓	✓	300285	300284	
<input type="checkbox"/> ATM gene by FISH		✓	✓	300287	300286	
<input type="checkbox"/> Trisomy 12 by FISH		✓	✓	300289	300288	
<input type="checkbox"/> Deletion of 13q14 by FISH		✓	✓	300291	300290	
<input type="checkbox"/> TP53 by FISH		✓	✓	300293	300292	
<input type="checkbox"/> Sex chromosome by FISH		✓	✓	300020	300018	300023
<input type="checkbox"/> Deletion of 5q by FISH		✓	✓	300327	300326	
<input type="checkbox"/> Screening of 28 chromosome translocations in leukemia by RT-qPCR			✓	300262	300261	
<input type="checkbox"/> DNA Fingerprint			✓	300014	300013	300017
<input type="checkbox"/> MYD88 L265P mutation by AS-PCR			✓	300281	300282	300283