



**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		รหัสบริการคณาะตาม		
	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	รหัสบริการคณาะตามชนิดสิ่งส่งตรวจ			
	FFPE	Breast	Stomach	Other
HER-2/neu gene by FISH + Unstain slide (ไม่อ่าน)		300122 11844	300123 11844	300124 11844
N-Myc amplification by FISH + Unstain slide (ไม่อ่าน)	300057 11844			300058 11844
Neuroblastoma by FISH panel + Unstain slide (ไม่อ่าน)	300324 11844			300325 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

<b>Patient Identification</b>		<u>For Laboratory Use Only</u>
Patient Name _____		Lab No. / TID _____
H.N. _____ Age _____ Gender <input type="checkbox"/> Male <input type="checkbox"/> Female	Received By _____	
OPD / Ward _____ Tel. _____	Date _____ Time _____	

<b>Hematologic malignancy Tests</b>		<b>Clinical Diagnosis</b>
<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 _____%	

<b>Pre BMT / SCT</b>	<b>Post BMT / SCT</b>	<b>Requisition status</b>
<input type="checkbox"/> Donor <input type="checkbox"/> Recipient	<input type="checkbox"/> Autologous <input type="checkbox"/> Male donor <input type="checkbox"/> Female 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)		✓	300335	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"/> Relapse <input type="checkbox"/> Supportive care <input type="checkbox"/> Other.....	<input type="checkbox"/> Transplant consolidation <input type="checkbox"/> Maintenance		11866	11866	
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