



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		รหัสบริการคณะตามชนิดสิ่งส่ง		
	Heparin	EDTA	AF	CV	CB
Prenatal chromosome analysis			300001	300002	300006
Genetic disorders chromosome	Heparin	EDTA	PB	CB	HB
	✓		300005	300006	300007
Chromosome breakage analysis for Fanconi anemia	✓		300328		
	Heparin	EDTA	PB	CB	Other
Slide preparation and karyotyping					300169
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	300023
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	Anticoagulant		รหัสบริการคณะตามชนิดสิ่งส่งตรวจ		
	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	
	Heparin	EDTA	PB		Other
DNA extraction		✓			300146
Fragile X syndrome		✓	300077		
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
Spinal muscular atrophy screening by MLPA		✓	300294		300295

Laboratory Test	EDTA	AF	CV	CB	HB	PB	POC	Other
Prenatal Chromosomal Microarray	✓	300248	300250	300249				300251
Postnatal Chromosomal Microarray	✓					300252		300253
Trio Chromosomal	✓					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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H.N. _____	Age _____	Gender <input type="checkbox"/> Male <input type="checkbox"/> Female	Received By _____
OPD / Ward _____	Tel. _____		Date _____ Time _____

Hematologic malignancy Tests	Clinical Diagnosis
<input type="checkbox"/> New diagnosis <input type="checkbox"/> Follow up <input type="checkbox"/> Remission <input type="checkbox"/> Relapse	WBC _____ cells, Neu _____%, Lym _____%, Blast _____% PCs _____% (Collection Date _____ Time _____) Last date of chemotherapy _____

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"/> 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 <i>BCR/ABL</i> p190, <i>TEL/AML1</i> , <i>E2A/PBX1</i> , <i>MLL/AF4</i> in ALL and CML		✓	300174	300173	
<input type="checkbox"/> <i>TEL/AML</i> Fusion gene by FISH	✓	✓	300074	300073	300076
<input type="checkbox"/> Detection of <i>MLL</i> by FISH	✓	✓	300256	300257	300258
<input type="checkbox"/> <i>IKAROS (IKZF1)</i> and Common genetic alterations		✓	300238	300237	300239
AML <input type="checkbox"/> <i>FLT3</i> Gene mutation in AML		✓	300148	300147	
<input type="checkbox"/> Rapid <i>FLT3</i> Gene mutation for newly diagnosed AML		✓	300279	300280	
<input type="checkbox"/> <i>NPM1</i> Gene mutation in AML		✓	300150	300149	
<input type="checkbox"/> <i>CEBPA</i> Gene mutation in AML by direct sequencing		✓	300178	300177	
<input type="checkbox"/> <i>PML/RARA</i> Fusion gene by FISH	✓	✓	300060	300059	300061
<input type="checkbox"/> Multiplex RT-PCR for <i>AML1/ETO</i> , <i>CBFB/MYH11</i> , <i>PML/RARA</i> in AML		✓	300152	300151	
<input type="checkbox"/> <i>PML/RARA</i> Fusion gene by RT-PCR [bcr1 and bcr3]		✓	300187	300186	
CML <input type="checkbox"/> <i>BCR/ABL</i> p210 by RQ-PCR		✓	300086	300087	
<input type="checkbox"/> <i>BCR/ABL</i> p190 by quantitative PCR		✓	300273	300274	
<input type="checkbox"/> Fusion gene for <i>BCR/ABL</i> by RT-PCR		✓	300003	300004	
<input type="checkbox"/> <i>BCR/ABL</i> Mutation detection by direct sequencing (Please select <input type="checkbox"/> p190 <input type="checkbox"/> p210)		✓	300130	300129	
<input type="checkbox"/> <i>BCR/ABL</i> Fusion gene by FISH	✓	✓	300040	300041	300042
MM <input type="checkbox"/> Multiple myeloma by FISH [del (17) and t(4;14)]		✓	300171		
<input type="checkbox"/> Multiple myeloma by FISH [del (13), 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 by NGS (please specify the	<input type="checkbox"/> Diagnostic <input type="checkbox"/> Induction therapy <input type="checkbox"/> Initial therapy <input type="checkbox"/> Transplant consolidation <input type="checkbox"/> Maintenance <input type="checkbox"/> Relapse <input type="checkbox"/> Supportive care <input type="checkbox"/> Other.....	✓	300277 + 11866	300278 + 11866	
MPNs <input type="checkbox"/> <i>JAK2 V617F</i> Mutation by AS-PCR		✓	300126	300125	
<input type="checkbox"/> <i>CALR</i> (Exon 9) Mutation analysis		✓	300223	300222	
<input type="checkbox"/> <i>JAK2</i> , <i>MPL</i> , <i>CALR</i> and <i>KIT</i> mutations in MPNs		✓	300318	300319	
<input type="checkbox"/> FISH for <i>FIPL1-PDGFR</i> A 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"/> <i>ATM</i> 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"/> <i>TP53</i> 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"/> <i>MYD88 L265P</i> mutation by AS-PCR		✓	300281	300282	300283