# Human Genetic Requisition Form


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 _____

**Pre BMT / SCT**

☐ Donor ☐ Recipient

**Post BMT / SCT**

☐ Autologous ☐ Male donor ☐ Female donor

**Requisition status**

☐ Preliminary ☐ Urgent

**Hematologic malignancy Tests**

☐ New diagnosis ☐ Follow up ☐ Remission ☐ Relapse

WBC _____cells, Neu _____%, Lym _____%, Blast _____%

(Collection Date _____Time _____) Last date of chemotherapy_____

| Laboratory Test | Anticoagulant | | รหัสบริการคณะฯตามชนิดสิ่งส่งตรวจ | | |
|---|---|---|---|---|---|
| | Heparin | EDTA | BM | PB | Other |
| ☐ Leukemia chromosome analysis | ✓ | | 300009 | 300010 | |
| ☐ Multiplex RT-PCR for *BCR/ABL* p190, *TEL/AML1*, *E2A/PBX1*, *MLL/AF4* in ALL and | | ✓ | 300174 | 300173 | |
| ☐ *TEL/AML* Fusion gene by FISH | ✓ | ✓ | 300074 | 300073 | 300076 |
| ☐ Detection of *MLL* by FISH | ✓ | ✓ | 300256 | 300257 | 300258 |
| ☐ *IKAROS (IKZF1)* and Common genetic alterations | | ✓ | 300238 | 300237 | 300239 |
| ☐ *FLT3* Gene mutation in AML | | ✓ | 300148 | 300147 | |
| ☐ *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 | |
| ☐ *BCR/ABL* p210 by RQ-PCR | | ✓ | 300086 | 300087 | |
| ☐ *BCR/ABL* p190 by quantitative PCR | | ✓ | 300273 | 300274 | |
| ☐ Fusion gene for *BCR/ABL* by RT-PCR | | ✓ | 300003 | 300004 | |
| ☐ *BCR/ABL* Mutation detection by direct sequencing | | ✓ | 300130 | 300129 | |
| ☐ *BCR/ABL* Fusion gene by FISH | ✓ | ✓ | 300040 | 300041 | 300042 |
| ☐ 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 | 300228 | 300229 |
| ☐ *JAK2* V617F Mutation by AS-PCR | | ✓ | 300126 | 300125 | |
| ☐ *CALR* (Exon 9) Mutation analysis | | ✓ | 300223 | 300222 | |
| ☐ FISH for *FIPL1-PDGFRA* fusion | ✓ | ✓ | 300230 | 300231 | 300232 |
| ☐ Screening of 28 chromosome translocations in leukemia by RT-qPCR | | ✓ | 300262 | 300261 | |
| ☐ DNA Fingerprint | | ✓ | 300014 | 300013 | 300017 |
| ☐ IgH clone/MRD MM by NGS (please specify the treatment therapy) ☐ Diagnostic ☐ Induction therapy ☐ Initial therapy ☐ Transplant consolidation ☐ Maintenance ☐ Relapse ☐ Supportive care ☐ Other..... | | ✓ | 300277 & 11866 | 300278 & 11866 | |
| ☐ ..... | | | | | |

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การทดสอบห้องปฏิบัติการ
มนุษย์พันธุศาสตร์

## Genetic disorders (Prenatal and Postnatal genetic analysis)

*In case of PND, please fulfill the details below.

Amount _____ Nature _____ LMP _____

PARA _____ GA by Date _____ GA by U/S _____

| Laboratory Test | Anticoagulant | | รหัสบริการคณะฯตามชนิดสิ่งส่งตรวจ | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Heparin | EDTA | AF | CV | CB | HB | PB | BM | Breast | Stomach | POC | Other |
| ☐ Prenatal chromosome analysis | - | - | 300001 | 300002 | | | | | | | | |
| ☐ Prenatal chromosome analysis (Cord blood) | ✓ | | | | 300006 | | | | | | | |
| ☐ Genetic disorders chromosome analysis | ✓ | | | | 300006 | 300007 | 300005 | | | | | |
| ☐ Slide preparation and karyotyping | | | | | | | | | | | | 300169 |
| ☐ Cell maintenance and karyotyping | | | | | | | | | | | | 300170 |
| ☐ VCFS/DiGeorge/CATCH22 (Chromosome and FISH analysis) | ✓ | | | | 300052 | | 300051 | | | | | 300054 |
| ☐ VCFS/DiGeorge/CATCH22 (FISH analysis) | ✓ | | | | 300048 | | 300047 | | | | | 300050 |
| ☐ Williams syndrome (Chromosome and FISH analysis)) | ✓ | | | | 300067 | | 00065 | | | | | 300068 |
| ☐ Williams syndrome (FISH analysis) | ✓ | | | | 300071 | | 300069 | | | | | 300072 |
| ☐ Prader-Willi syndrome (Chromosome and FISH analysis) (2 probes) | ✓ | | | | 300094 | | 300092 | | | | | 300095 |
| ☐ Prader-Willi syndrome (FISH analysis) (2 probes) | ✓ | | | | 300090 | | 300088 | | | | | 300091 |
| ☐ Trisomy 18 by FISH | ✓ | ✓ | | | 300220 | | 300219 | | | | | 300221 |
| ☐ Trisomy 21 by FISH | ✓ | ✓ | | | 300028 | | 300024 | | | | | 300029 |
| ☐ Sex chromosome by FISH | ✓ | ✓ | | | 300022 | | 300018 | 300020 | | | | 300023 |
| ☐ N-myc amplification by FISH | ✓ | ✓ | | | | | 300055 | | | | | 300058 |
| ☐ *RB1* gene by FISH | ✓ | ✓ | | | | | 300062 | | | | | 300064 |
| ☐ *RB1* deletion/duplication by MLPA | ✓ | | | | | | 300263 | | | | | 300264 |
| ☐ *HER-2/neu* gene by FISH & unstained slide | - | - | | | | | | | 300122 & 06759 | 300123 & 06759 | | 300124 & 06759 |
| ☐ Prenatal Chromosomal Microarray | | ✓ | 300248 | 300250 | 300249 | | | | | | | 300251 |
| ☐ Postnatal Chromosomal Microarray | | ✓ | | | | | 300252 | | | | | 300253 |
| ☐ Trio Chromosomal Microarray | | ✓ | | | | | 300254 | | | | | 300255 |
| ☐ Aneuploidies 13, 18, 21, X and Y chromosome by FISH | ✓ | ✓ | | | 300225 | | 300224 | | | | | 300226 |
| ☐ 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 |
| ☐ Fragile X syndrome analysis | | ✓ | | | | | 300077 | | | | | |
| ☐ Duchenne muscular dystrophy by MLPA | | ✓ | | | | | 300240 | | | | | 300241 |
| ☐ *BRCA1* screening by MLPA | | ✓ | | | | | 300242 | | | | | 300243 |
| ☐ *BRCA2* screening by MLPA | | ✓ | | | | | 300244 | | | | | 300245 |
| ☐ *BRCA1* and *BRCA2* screening by MLPA | | ✓ | | | | | 300246 | | | | | 300347 |
| ☐ Mitochondrial disease screening by MLPA | | ✓ | | | | | 300265 | | | | | 300266 |
| ☐ Prader-Willi/Angelman syndrome by MS-MLPA | | ✓ | | | | | 300275 | | | | | 300276 |
| ☐ DNA extraction | | ✓ | | | | | | | | | | 300146 |