UCSF Medical Center

Medical Genomics - Cytogenetics Laboratory

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Patient Information:

Last Name _____ First Name _____ MI _____

Date of Birth _____ ☐ Male ☐ Female ☐ Unknown

Ordering Physician / Phone Number _____

Patient or Sample ID# _____

Sample Information:

Specimen Collected:

Date: _____ Time: _____ Account #: _____

Tissue Biopsy / POC site: _____

Gestational Age: (weeks/days) _____

Sample Type

- ☐ Amniotic Fluid
- ☐ Chorionic Villus Sampling
- ☐ Products of Conception
- ☐ Constitutional Blood
- ☐ Bone Marrow
- ☐ Leukemic Blood
- ☐ Bone Core
- ☐ Solid Tumor
- ☐ Lymph Node
- ☐ Other: _____

For Oncology Studies:

Transplant: ☐ Yes ☐ No Type: _____ Donor Gender _____

Staging: ☐ Yes ☐ No Chemo: ☐ Yes ☐ No

Site: ☐ Illiac Crest ☐ Left Ant ☐ Left Post ☐ Right Ant ☐ Right Post ☐ Sternal

Testing Information:

Indication for Study: (MUST be provided) ☐ Pathology Reports ☐ Patient's Previous Reports

Clinical Data/ Provisional Diagnosis: _____

ICD-10 Codes: _____

Test Requested:

Cytogenetic Analysis:

- ☐ CYAFB *Amniotic Fluid, chromosome and AF-AFP analysis*
- ☐ CYAF *Amniotic Fluid, chromosomes only*
- ☐ CYCV *Chorionic Villus Sampling, chromosome analysis*
- ☐ CYTIS *POC / Skin biopsy for routine chromosome analysis*
- ☐ CYTLL *Chromosome analysis; bone marrow, bone core or leukemic blood*
- ☐ CYHR *Peripheral Blood, high resolution chromosome analysis (>550 band level)*
- ☐ CYSTU *Solid Tumor analysis*

If results are normal, REFLEX to:

- ☐ Cytogenetic Analysis
- ☐ Microarray Analysis
- ☐ Fluorescence in situ hybridization

Microarray Analysis:

- ☐ SNPAP *SNP Array for Prenatal Analysis*
- ☐ SNPAT *SNP Array for Tissue and POC Analysis*
  **TCAFCV / TCPOC test codes may be added for tissue culture*
- ☐ SNPAB *SNP Array for Blood Analysis (Postnatal)*
- ☐ HSNPA *Hold SNP Array*
- ☐ PSNPA *SNP Array, Family Follow Up*

Constitutional FISH tests:

- ☐ CYFDB/CYFD Aneuvysion (AV) Interphase FISH *Aneuploidy analysis of Chromosomes 13, 18, 21, X, Y*
  - ☐ A1321 *Aneuploidy analysis of Chromosome 13 and 21 only* ☐ A18XY *Anueploidy analysis of Chromosome 18, X and Y only*
- ☐ CYSUB/CYFST FISH Subtelomere analysis, Metaphase analysis of subtelomere regions
- ☐ CYFMB/CYFM FISH Microdeletion analysis, Metaphase analysis for regions below (MUST INDICATE SPECIFIC TEST)
  - ___ Wolf Hirshhorn (WHS, 4p16)
  - ___ Cri du Chat (CDCR, 5p15)
  - ___ Williams (ELN, 7q11.23)
  - ___ Retinoblastoma (RB1, 13q14)
  - ___ Prader Willi/Angelman (SNRPN, 15q11-q13) †
  - ___ Smith Magenis (SMS, 17p11.2)
  - ___ Miller Dieker (LIS1, 17p13.3)
  - ___ DiGeorge/VCF/distal 22q (TUPLE1/ARSA, 22q11.2/22q13)
  - ___ Steroid sulfatase deficiency (STS, Xp22.3)
  - ___ Kallman Syndrome (KAL1, Xp22.3)
  - ___ SRY (Yp11,3)

† *Methylation test must be performed first by MDx*

FISH Oncology (Bill Only Test Codes):

CLL Panel (CYCLL)
- ☐ DEL11Q *ATM*
- ☐ TRIS12 *Trisomy 12*
- ☐ DEL13Q *Deletion 13q*
- ☐ DEL17P *Deletion 17p*

MDS Panel (CYMDS)
- ☐ M5D5Q *Monosomy 5/Deletion 5q*
- ☐ M7D7Q *Monosomy 7/Deletion 7q*
- ☐ TRIS8 *Trisomy 8*
- ☐ DEL20Q *Deletion 20q*

AML Panel (CYAML)
- ☐ M5D5Q *Monosomy 5/Deletion 5q*
- ☐ M7D7Q *Monosomy 7/Deletion 7q*
- ☐ TRIS8 *Trisomy 8*
- ☐ TR821 *RUNX1/RUNX1T1*
- ☐ MLLQ23 *MLL,11q23*
- ☐ TR1517 *Translocation 15;17 (PML/RARA)*
- ☐ INV16Q *Inversion / Translocation 16*
- ☐ DEL20Q *Deletion 20q*

Multiple Myeloma Panel (CYMM)
- ☐ DUP1Q *Duplication 1q*
- ☐ TR414 *Translocation 4;14*
- ☐ TR1114 *Translocation 11;14*
- ☐ DEL13Q *Deletion 13q*
- ☐ TR1416 *Translocation 14;16*
- ☐ DEL17P *Deletion 17p*
- ☐ CD138 *CD138+ Enrichment*

Lymphoma Panel
- ☐ BCL 6 *3q27 rearrangement*
- ☐ TR814 *Translocation 8;14 (IGH/MYC*
- ☐ MYC *8q24 rearrangement Break-apart*
- ☐ TR1114 *Translocation 11;14 (IGH/CCND1)*
- ☐ TR1418 *Translocation 14;18 (IGH/BCL2)*

Eosinophilia Panel
- ☐ PDGFRA *4q12 Rearrangement*
- ☐ PDGFRB *5q32q33 Break-apart*
- ☐ FGFR1 *8p11 Break-apart*

Other Oncology FISH:
- ☐ TR119 *Translocation 1;19*
- ☐ ALK2P *2p23 rearrangement*
- ☐ INV3Q *RPN1/MECOM*
- ☐ DEL9P *Deletion 9p*
- ☐ TR922 *Translocation 9;22 (BCR/ABL)*
- ☐ IGHQ32 *14q32 IGH Break-apart*
- ☐ XXXY *TX monitoring, sex mismatch*

☐ **Other** (MUST SPECIFY AND PROVIDE SEND-OUT PAPERWORK): _____