THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

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Hematological Cancer Chromosome Analysis

Test	Description	CPT codes
Chromosome analysis	Chromosome analysis on bone marrow sample	88237, 88262, 88291
Specimen requirements: 1-2 ml bone marrow in transport medium or sodium heparin (green topped) tube.		
Chromosome analysis	Chromosome analysis on unstimulated peripheral blood leukocytes	88237, 88262, 88291
Specimen requirements: 5-6 ml whole blood in sodium heparin (green topped) tubes. Include white cell count if available.		

Hematological Cancer FISH Analysis

Description	Test	CPT codes
FISH t(1q25.2)	***ABL2* rearrangement**	88275, 88271(x2), 88291
FISH t(1;19)	***TCF3*::*PBX1* fusion**	88275, 88271(x2), 88291
FISH inv/t(3q26.2)	***MECOM* [*EVI1*] rearrangement**	88275, 88271(x3), 88291
FISH t(4;14)	***IGH*/*FGFR3* fusion**	88275, 88271(x2), 88291
FISH t(5q32)	***PDGFRB* rearrangement**	88275, 88271(x2), 88291
FISH t(6;9)	***DEK*::*NUP214* fusion**	88275, 88271(x2), 88291
FISH t(8p11.2)	***FGFR1* rearrangement**	88275, 88271(x2), 88291
FISH t(8q24)	***MYC* rearrangement**	88275, 88271(x2), 88291
FISH t(8;14)	***IGH*::*MYC* fusion**	88275, 88271(x3), 88291
FISH t(8;21)	***RUNX1*::*RUNX1T1* fusion**	88275, 88271(x2), 88291
FISH t(9;22)	***BCR*::*ABL1* fusion [Ph']**	88275, 88271(x2), 88291
FISH t(9p24.1)	***JAK2* rearrangement**	88275, 88271(x2), 88291
FISH t(9q34.1)	***ABL1* rearrangement**	88275, 88271(x2), 88291
FISH t(11p15.4)	***NUP98* rearrangement**	88275, 88271(x2), 88291
FISH t(11q23)	***KMT2A* [*MLL*] rearrangement**	88275, 88271(x2), 88291
FISH t(11;14)	***IGH*::*CCND1* fusion**	88275, 88271(x2), 88291
FISH t(12p13)	***ETV6* rearrangement**	88275, 88271(x2), 88291
FISH t(12;21)	***ETV6*::*RUNX1* fusion**	88275, 88271(x2), 88291
FISH t(14q11.2)	***TCRA/D* rearrangement**	88275, 88271(x2), 88291
FISH t(14q32)	***IGH* rearrangement**	88275, 88271(x2), 88291
FISH t(14;16)	***IGH*::*MAF* fusion**	88275, 88271(x2), 88291
FISH t(14;18)	***IGH*::*BCL2* fusion**	88275, 88271(x2), 88291

FISH t(15;17)	***PML*::*RARA* fusion**	88275, 88271(x2), 88291
FISH inv(16)	***CBFB::MYH11* fusion**	88275, 88271(x2), 88291
FISH t(22q12)	***EWSR1* rearrangement**	88275, 88271(x2), 88291
FISH t(Xp22.3/Yp11.3)	***CRLF2* rearrangement**	88275, 88271(x2), 88291
FISH t(X/Y;14)	***IGH::CRLF2* fusion**	88275, 88271(x2), 88291
FISH del(Xp22.3/Yp11.3)	***P2RY8::CRLF2* fusion**	88275, 88271(x2), 88291
FISH 1q21.3 gain	***CKS1B***	88275, 88271(x2), 88291
FISH del(4q12)	***FIP1L1*/*PDGFRA***	88275, 88271(x3), 88291
FISH del(5q31)	***EGR1***	88275, 88271(x2), 88291
FISH del(7q),-7	**CEP 7, D7S486**	88275, 88271(x2), 88291
FISH del(9p21)	***CDKN2A* [p16]**	88275, 88271(x2), 88291
FISH del(11q22.3)	***ATM***	88275, 88271(x2), 88291
FISH del(13q14.2) [MM]	***RB1***	88275, 88271(x2), 88291
FISH del(13q14.3) [CLL]	**D13S319**	88275, 88271(x2), 88291
FISH del(17p13.1)	***TP53***	88275, 88271(x2), 88291
FISH del(20q12)	**D20S108**	88275, 88271(x1), 88291
FISH Trisomy 4/10/17	**CEP 4, 10, 17**	88275, 88271(x3), 88291
FISH Trisomy 4	**CEP 4**	88275, 88271(x1), 88291
FISH Trisomy 6	**CEP 6**	88275, 88271(x1), 88291
FISH Trisomy 8	**CEP 8**	88275, 88271(x1), 88291
FISH Trisomy 9	**CEP 9**	88275, 88271(x1), 88291
FISH Trisomy 10	**CEP 10**	88275, 88271(x1), 88291
FISH Trisomy 11	**CEP 11**	88275, 88271(x1), 88291
FISH Trisomy 12	**CEP 12**	88275, 88271(x1), 88291
FISH Trisomy 15	**CEP 15**	88275, 88271(x1), 88291
FISH Trisomy 17	**CEP 17**	88275, 88271(x1), 88291
FISH Trisomy 19	***TCF3***	88275, 88271(x1), 88291
FISH X/Y for BMT	**CEP X/Y**	88275, 88271(x2), 88291
FISH AML Panel	***EGR1*, D7S486, *RUNX1*::*RUNX1T1*, *KMT2A*, *CBFB*::*MYH11***	88275(x5), 88271(x10), 88291
FISH MDS Panel	***EGR1*, D7S486, CEP 8, *TP53*, D20S108**	88275(x5), 88271(x8), 88291
FISH MM Panel	**CKS1B, ATM, RB1/D13S25, IGH, TP53**	88275(x5), 88271(x10), 88291
FISH IGH Panel	***IGH*::*FGFR3*, *IGH*::*CCND1*, *IGH*::*MAF***	88275(x3), 88271(x6), 88291
FISH B-ALL Panel	***BCR*::*ABL1*, *KMT2A*, *ETV6*::*RUNX1*, 4/10/17**	88275(x4), 88271(x9), 88291
FISH Ph-like B-ALL	***ABL1*, *ABL2*, *CRLF2*, *JAK2*, *PDGFRB***	88275(x5), 88271(x10), 88291
FISH CLL Panel	***ATM*, CEP 12, D13S319,LSI 13q34, *TP53***	88275(x4), 88271(x7), 88291
FISH Eosinophilia Panel	***LSI 4q12, PDGFRB, FGFR1, JAK2, ETV6***	88275(x5), 88271(x11), 88291
FISH 2nd Tier AML Panel	***MECOM, DEK*::*NUP214, NUP98***	88275(x3), 88271(x7), 88291

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5-6 ml whole blood in sodium heparin (green topped) tubes. Include white cell count if available.