

**WMC LABORATORY PROTOCOLS
GENETIC LABORATORY
Approved by ECMS 2/7/17**

PANEL DESCRIPTION/ ORDER SET	CPT CODES 2017	MEDITECH OE CODE	COMPONENT TESTS
129. ALL T or B-Cell Fish Profile	88271 x2 88275 x2 Qty varies based on loci	FISHALLPED	Molecular cytogenetics, DNA probe Molecular cytogenetics, 100-300 cells
130. Anaplastic Lymphoma Kinase FISH	88271 X2 88274		Molecular cytogenetics, DNA probe Molecular cytogenetics, 25-99 cells
131.AML Mutation analysis	81218 81273 81245 81310	AML MUT	CEBPA full gene sequence c-Kit D816 variant FLT3 Internal Tandem Duplication variants NPM1 exon 12 Variants
132.AML Translocation Profile	81315 81401 81401	AMLQNT	PML/RARA Common Breakpoint Molecular Pathology Tier 2 Level 2 (CBFB/MYH11 qual and/or quant) Molecular Pathology Tier 2 Level 2 (RUNX1 (AML1)-ETO)
133. BCR/ABL Mutation analysis	81206 81207	BCRABL	BCR/ABL1 Major Breakpoint BCR/ABL1 Minor Breakpoint
134. BRAF V600E Variant Mutation	81210 88381		BRAF V600E Variant Microdissection manual
135. Chromosome Analysis, Amniotic Fluid	88235 88269 88280 88285	KARYO AFO	Chromosome & Karyotype in Situ Chromosome Analysis, 6-12 cells Chromosome Additional Karyotype Chromosome Additional Cells
136. Chromosome Analysis, Bone Marrow	88237 x2 88264 88280 x3	KARYO BMO	Tissue Culture Chromosome Analysis, 20-25 cells Chromosome Additional Karyotype
137.Chromosome Analysis, Instability Syndrome	88230 88248 88249	KARYO INST	Tissue Culture Chromosome Analysis, 50-100 cells Chromosome Analysis, 100 cells
138. Chromosome Analysis, Pediatric Oncology	88237 88264	KARYO P	Tissue Culture Chromosome Analysis, 20-25 cells
139. Chromosome Analysis, Peripheral Blood (non-neoplastic)	88230 88262	KARYO PBRO	Tissue Culture Chromosome & Karyotype, 15-20 Cells
140. Chromosome Analysis, Peripheral Blood (neoplastic)	88237 x2 88264 88280 x3	KARYO PBOO	Tissue Culture Chromosome Analysis, 20-25 cells Chromosome Additional Karyotype
141. Chromosome Analysis, Skin/Solid Tissue (non-Neoplastic)	88233 88262	KARYO SKO	Tissue Culture Chromosome Analysis, 15-20 cells
142. Chromosome Analysis, Solid Tumor	88239 88264 88280 x2	KARYO ST	Tissue Culture Chromosome Analysis, 20-25 cells Chromosome additional Karyotype
143. High Resolution Study	88230 88262 88289	HROP	Tissue Culture Chromosome & Karyotype, 15-20 Cells High resolution study

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144. Methyl CpG binding protein 2 gene analysis	81302 81304	MECP2	MECP2 Full Sequence Analysis MECP2 Duplication/Deletion Variants
145. Microdeletion Syndrome FISH	Varies based on loci	FISHMDS	Gene locus X Gene locus Y Gene locus 13 Gene locus 18 Gene locus 21
146. Myelodysplastic Syndrome FISH	88377 x4	FISHMYDS	D7S522/CEP7 (chromosome 7), EGR1/5p15 (chromosome 5), D20S108/ D1721 (chromosome 20) CEP 8 (chromosome 8) -remove and TP53/CEP17 (chromosome 17) Morphometric analysis, in situ Hybridization each multiplex probe
147. Multiple Myeloma/Monoclonal Gammopathy FISH	88377 x5	103.88 X5	TP53/D17Z1 FGFR3/IGH D13S319/13q34 MLL CDKN2C/CKC1B(1p/1q)
148. Neonatal Alloimmune Thrombocytopenia	81400 x16 86022	NATP	Molecular Pathology Tier 2 Level 1 (Human Platelet Antigen genotype 1,2,3,4,5,6,9,15) Platelet Antibody Screen