WMC LABORATORY PROTOCOLS
GENETIC LABORATORY Approved by ECMS 2/6/2018

PANEL DESCRIPTION/ ORDER SET	CPT CODES 2018	MEDITECH OE CODE	COMPONENT TESTS
134. 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
135. Anaplastic Lymphoma kinase FISH	88271 x2 88274		Molecular cytogenetics, DNA probe Molecular cytogenetics, 25-99 cells
136. AML Mutation analysis	81218 81273 81245 81310	AMLMUT	CEBPA full gene sequence c-Kit D816 variant FLT3 Internal Tandem Duplication variants NPM1 exon 12 Variants
137. 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)
138. BCR-ABL 1 Mutation Analysis	81206 81207	BCRABL	BCR/ABL1 major breakpt BCR/ABL1 minor breakpr
139. BRAF V600E Variant Mutation	81210 88381		BRAF V600E Variant Microdissection manual
140. BWS/RSS Molecular Analysis (NEW ADDITION)	81401 X2	BWRS	H19 methylation analysis KCNQ10T1 Methylation
141. Chromosome Analysis, Amniotic Fluid	88235 88269 88280 88285	KARYOAFO	Chromosome & Karyotype in Situ Chromosome Analysis, 6-12 cells Chromosome Additional Karyotype Chromosome Additional Cells
142. Chromosome Analysis, Bone Marrow	88237 x2 88264 88280 x3	KARYOBMO	Tissue Culture Chromosome Analysis, 20-25 cells Chromosome Additional Karyotype
143.Chromosome Analysis, Instability Syndrome	88230 88248 88249	KARYOINST	Tissue Culture Chromosome Analysis, 50-100 cells Chromosome Analysis, 100 cells
144. Chromosome Analysis, Pediatric Oncology	88237 88264	KARYP	Tissue Culture Chromosome Analysis, 20-25 cells
145. Chromosome Analysis, Peripheral Blood (non-neoplastic)	88230 88262	KARYOPBRO	Tissue Culture Chromosome & Karyotype, 15-20 cells
146. Chromosome Analysis, Peripheral Blood (neoplastic)	88237 x2 88264 88280 x3	KARYOPBOO	Tissue Culture Chromosome Analysis, 20-25 cells Chromosome Additional Karyotype
147. Chromosome Analysis, Skin/Solid Tissue (non-Neoplastic)	88233 88262	KARYOSKO	Tissue Culture Chromosome Analysis, 15-20 cells
148. Chromosome Analysis, Solid Tumor	88239 88264 88280 x2	KARYOST	Tissue Culture Chromosome Analysis, 20-25 cells Chromosome additional Karyotype

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PANEL DESCRIPTION/ ORDER SET	CPT CODES 2018	MEDITECH OE CODE	COMPONENT TESTS
149. High Resolution Study	88230 88262 88289	HROP	Tissue Culture Chromosome & Karyotype, 15-20 Cells High resolution study
150. Methyl CpG binding protein 2 gene analysis	81302 81304	MECP2	MECP2 Full Sequence Analysis MECP2 Duplication/Deletion Variants
151. Microdeletion Syndrome FISH	Varies based on loci	FISHMDS	Gene locus X Gene locus Y Gene locus 13 Gene locus 18 Gene locus 21
152. 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
153. Multiple Myeloma/Monoclonal Gammopathy FISH	88377 x6	FISHMM	TP53/CEP17 FGFR3/IGH D13S319/13q34 CCND1/1GH, 1p/1q +3/+15
154. PTEN (Molecular Analysis)	81321	PTEN	PTEN full seq analysis
155. 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

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