

HMDS: Genomic Analysis

Technology: Fluorescent in-situ hybridisation (FISH)

Detection and analysis of genomic rearrangements and imbalances

Tests (Manual Method)	
CytoCell MALT1 Breakapart	CytoCell Del(5q)
CytoCell CCND1 Breakapart	CytoCell Del(7q)
CytoCell IGH/CCND1 Translocation, Dual Fusion	CytoCell BCR/ABL(ABL1) Translocation, Dual Fusion
CytoCell CCND2 Breakapart/ 12cen	CytoCell IGH/MAF Translocation, Dual Fusion
Cyocell 13q14 (RB1&DLEU7)/alpha 12	CytoCell IGH/FGFR3 Translocation, Dual Fusion
CytoCell ATM/TP53	CytoCell CKS1B/CDKN2C (1p/1q)
CytoCell ATM/alpha 11	ZytoLight FGFR3 Breakapart
CytoCell TP53/alpha 17	CytoCell MLL (KMT2A) Breakapart
CytoCell BCL2 Breakapart	CytoCell EVI1 (MECOM) Breakapart
CytoCell BCL6 Breakapart	CytoCell PDGFRB Breakapart
CytoCell IGH/BCL2 Translocation, Dual Fusion	CytoCell FGFR1 Breakapart
CytoCell MYC Breakapart	CytoCell ABL1 Breakapart probe
CytoCell IGH/MYC Translocation, Dual Fusion	CytoCell ABL2 Breakapart probe
CytoCell IGK/IGL/MYC Translocation	CytoCell E2A/PBX1 Plus Translocation, dual fusion
CytoCell 11q23/11q24/11cen	CytoCell E2A Breakapart
CytoCell DUSP22/IRF4 Breakapart	CytoCell TEL/AML1 (ETV6/RUNX1) Translocation, Dual Fusion
CytoCell TP63 Breakapart	CytoCell TCL1 Breakapart
CytoCell PDGFRB Breakapart	CytoCell FAST PML/RAR α (RARA) Translocation, Dual Fusion
CytoCell FGFR1 Breakapart	CytoCell IGH Breakapart
CytoCell FIP1L1/ CHIC2/PDGFR α Deletion/Fusion	CytoCell ALK Breakapart (FFPE tissue samples only)
CytoCell IGH/MAFB Translocation, Dual Fusion (MAA preps and bone marrow smears only)	CytoCell CRLF2 breakaprt probe
CytoCell CBFB breakapart probe	CytoCell RUNX1/RUNX1T1 dual-fusion translocation probe

