



HMDS: Genomic Analysis

Technology: Fluorescent in-situ hybridisation (FISH)

Detection and analysis of genomic rearrangements and imbalances

| Tests (Manual Method) | |
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| 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) | |

