

Test	Disease	Gene	Tissue	Test Number
5-FLUORO URACIL TOXICITY	VARIOUS	ALLELE 2A (IVS14+1G-A) IN DPD (DIHYDROPYRIMIDINE DEHYDROGENASE)	DNA	1
		ALLELES 3, 7, 8, 9, 10 IN DPD (DIHYDROPYRIMIDINE DEHYDROGENASE)	DNA	2
IRINOTECAN TOXICITY	VARIOUS	TA INSERTION IN PROMOTOR OF UGT1A1 (UDP-GLYCURONOSYL TRANSFERASE)	DNA	3
THIOPURINE TOXICITY	VARIOUS	ALLELES 1, 2, 3A, 3C IN TMPT (THIOPURINE S-METHYLTRANSFERASE)	DNA	4
HERCEPTIN RESPONSIVENESS	BREAST CANCER	HER2 / NEU OVEREXPRESSION	PARAFFINISED BREAST TUMOUR TISSUE	5
GLEEVEC / IMATINIB RESPONSIVENESS	CHRONIC MYELOGENOUS LEUKEMIA (CML) AND ACUTE LEUKEMIA	EXONS 4-10 MUTATIONS IN ABL (INCLUDING T315I)	BLOOD OR BONE MARROW IN PAX RNA TUBES	6
GLEEVEC / IMATINIB RESPONSIVENESS	CHRONIC MYELOGENOUS LEUKEMIA (CML) AND ACUTE LEUKEMIA	FUSION OF ABL TO BCR	BLOOD OR BONE MARROW IN PAX RNA TUBES	7
GLEEVEC / IMATINIB RESPONSIVENESS	ACUTE LEUKEMIA	FUSION OF PDGFRB TO TEL/ETV6	BLOOD OR BONE MARROW IN PAX RNA TUBES	8
GLEEVEC / IMATINIB RESPONSIVENESS	HYPEREOSINOPHILIC SYNDROME	FUSION OF PDGFRB TO TEL/ETV6	BLOOD OR BONE MARROW IN PAX RNA TUBES	8
GLEEVEC / IMATINIB RESPONSIVENESS	HYPEREOSINOPHILIC SYNDROME	del(4)(q12q12) WITH FIP1L1-PDGFRB FUSION	BLOOD OR BONE MARROW IN PAX RNA TUBES	9
GLEEVEC / IMATINIB RESPONSIVENESS	CHRONIC EOSINOPHILIC LEUKEMIA	del(4)(q12q12) WITH FIP1L1-PDGFRB FUSION	BLOOD OR BONE MARROW IN PAX RNA TUBES	9
GLEEVEC / IMATINIB RESPONSIVENESS	ACUTE MYELOID LEUKEMIA	MUTATIONS IN EXONS 8, 11 AND 17 IN KIT	WHOLE BLOOD, BONE MARROW ASPIRATE OR PARAFFIN-EMBEDDED BIOPSY	10
GLEEVEC / IMATINIB RESPONSIVENESS	MASTOCYTOSIS	MUTATIONS IN EXON 17 IN KIT	PARAFFINISED TUMOUR TISSUE	11

GLEEVEC / IMATINIB RESPONSIVENESS	MAST CELL LEUKEMIA	MUTATIONS IN EXON 17 IN KIT	WHOLE BLOOD, BONE MARROW ASPIRATE OR PARAFFIN- EMBEDDED BIOPSY	11
GLEEVEC / IMATINIB RESPONSIVENESS	GASTROINTESTINAL STROMAL TUMOR, GIST	MUTATIONS IN EXONS 9, 11, 13 AND 17 IN KIT	PARAFFINISED TUMOUR TISSUE	12
GLEEVEC / IMATINIB RESPONSIVENESS	GASTROINTESTINAL STROMAL TUMOR, GIST	MUTATIONS IN EXONS 12 AND 18 IN PDGFRA	PARAFFINISED TUMOUR TISSUE	13
IRESSA / GEFITINIB RESPONSIVENESS	NON SMALL CELL LUNG CANCER (NSCLC)	EXON 18-21 MUTATIONS IN EGFR (EPIDERMAL GROWTH FACTOR RECEPTOR)	FRESH TISSUE (ETHANOL- FIXED TISSUE)	14
VARIOUS FLT3 INHIBITORS	ACUTE MYELOID LEUKEMIA	ACTIVATING MUTATION (INTERNAL TANDEM DUPLICATION) IN FLT3 (RECEPTOR TYROSINE KINASE)	BLOOD OR BONE MARROW	15
VARIOUS FLT3 INHIBITORS	ACUTE MYELOID LEUKEMIA	ACTIVATING MUTATIONS IN EXON 14 IN FLT3 (RECEPTOR TYROSINE KINASE)	BLOOD OR BONE MARROW	16
VARIOUS FLT3 INHIBITORS	ACUTE MYELOID LEUKEMIA	EXON 20 MUTATIONS IN FLT3 (INCLUDING ASP835)	BLOOD OR BONE MARROW IN PAX RNA TUBES	17
BETA2-AGONISTS RESPONSE	VARIOUS	R16G AND Q27E MUTATIONS IN ADRB2	DNA	18