

# Cancer FISH Probes and Panels

PROBES	AML	ALL	CLL	Lymph	CML	MM	MDS	BMT	Breast	Bladder	Tumor	Chromosome Abnormality
AML1/ETO	*											t(8;21)
PML/RARA	*											t(15;17)
RARA	*											t(11;17), t(15;17), 17q21
CBFB	*											t(16;16), inv(16), del(16)
MLL	*											t(11q23)
BCR/ABL	*	*			*							t(9;22)
ABL-ASS	*	*										del 9q34
CF1R	*						*					-5/5q-
EGR-1	*						*					-5/5q
D7S486	*						*					-7/7q-
LSI D7S522	*						*					-7/7q-
CEP 8	*						*					+8
LSID20S108	*						*					20q-
TEL/AML1		*										t(12;21)
TEL – ETV6		*										t(12;?)
LSI p16		*										del 9p21
IGH/MYC		*		*							*	t(8;14) –Burkitt's
MYC		*										t(2;8), t(8;22), t(8;14)
CEP 12			*									+12
D13S25			*			*	*					del 13q14
D13S319			*			*	*					del 13q14
P53			*	*		*						del 17p
ALK				*								t(2;5)
BCL6				*								t(3q27)
IGH/CCND1				*								t(11;14)
IGH/BCL2				*								t(14;18)
MALT				*								t 18q21
Ewing's Sarc.											*	t(11;22)
Cyclin D1S0									*			Breast
CEP X/Y								*				Sex mismatch transplant
<b>PROBE Panels</b>												<b>PROBE Panels</b>
CLL			*									11q-, +12, 13q-, 17p-
4/10/17		*										Hyperdiploidy - ALL
Her 2 Neu									*			Breast Cancer
UroVysion										*		Bladder Cancer (3, 7, 17, 9p-)
Mult Myeloma						*						11q-, 13q-, 17p-,t(4;16)