

CONSTITUTIONAL FISH PROBES		
Suspected Diagnosis	Probe Target	Gene(s)/Unique Sequence
Aneuploidy, Common (ARUP test code 0040208)	13/18/21/X/Y	
Microdeletion Syndromes—order test 2002299		
4p-	4p16.3	WHSC1
5p-	5p15.2	D5S23-D5S721
15q11.2-13 duplication	15q11.2-13	D15S11, D15S10
22qter deletion	22q13.3	22qtel (SHANK3)
Angelman	15q11.2-13	D15S10
Cri-du-chat	5p15.2	D5S23-D5S721
DiGeorge	22q11.2	TUPLE-1 (HIRA)
Kallmann	Xp22.3	KAL1
Male detection (SRY)	Yp11.3	SRY
Miller-Dieker (Lissencephaly)	17p13.3	LIST1
Phelan-McDermid	22q13.3	22qtel (SHANK3)
Prader-Willi	15q11.2-13	D15S10
SHOX	Xp22.3	SHOX
Smith-Magenis	17p11.2	SHMT1-TOP3-FL11-LLGL1
SRY	Yp11.3	SRY
Steroid sulfatase deficiency (STS, X-linked ichthyosis)	Xp22.3	STS
Velocardiofacial (VCF)	22q11.2	TUPLE-1 (HIRA)
Williams (Elastin)	7q11.23	ELN-LIMK1-D7S613
Wolf-Hirschhorn	4p16.3	WHSC1
Miscellaneous (Please contact the lab prior to ordering)—order test 2002299 or 2002298		
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Acrocentric p-arm		NOR regions of all acrocentric chromosomes
X centromere	Xcen	DXZ1
X inactivation locus	Xq13	XIST
Y centromere	Ycen	DYZ3
Yp11.3	Yp11.3	SRY
Yq12	Yq12	DYZ1-YsatIII