

The following tables outline the approximate oligonucleotides per probe labeled for each chromosome using KromaTiD's DNA probes, kits, and chromosome paints.

Pericentromeric DNA Probes (subcep)

sub CEP DNA Probes					
SKU	product	start	end	coordinate range	oligos
CEP-0001	subCEP CHR 1p Pinpoint FISH Probe	119000000	121000000	2000000	4000
CEP-0003	subCEP CHR 2p Pinpoint FISH Probe	88300000	91700000	3400000	3000
CEP-0004	subCEP CHR 2q Pinpoint FISH Probe	94800000	97700000	2900000	4000
CEP-0006	subCEP CHR 3q Pinpoint FISH Probe	96300000	99100000	2800000	4000
CEP-0007	subCEP CHR 4p Pinpoint FISH Probe	47400000	49100000	1700000	3000
CEP-0008	subCEP CHR 4q Pinpoint FISH Probe	51800000	53600000	1800000	4000
CEP-0009	subCEP CHR 5p Pinpoint FISH Probe	45400000	46100000	700000	2000
CEP-0010	subCEP CHR 5q Pinpoint FISH Probe	50300000	52800000	2500000	4000
CEP-0011	subCEP CHR 6p Pinpoint FISH Probe	56200000	58300000	2100000	2000
CEP-0012	subCEP CHR 6q Pinpoint FISH Probe	60300000	64600000	4300000	4000
CEP-0013	subCEP CHR 7p Pinpoint FISH Probe	54800000	58100000	3300000	3000
CEP-0014	subCEP CHR 7q Pinpoint FISH Probe	61000000	68300000	7300000	4000
CEP-0015	subCEP CHR 8p Pinpoint FISH Probe	41900000	43700000	1800000	3000
CEP-0016	subCEP CHR 8q Pinpoint FISH Probe	46000000	48600000	2600000	4000
CEP-0020	subCEP CHR 10q Pinpoint FISH Probe	42100000	44300000	2200000	4000
CEP-0021	subCEP CHR 11p Pinpoint FISH Probe	47200000	50400000	3200000	3000
CEP-0022	subCEP CHR 11q Pinpoint FISH Probe	54700000	57900000	3200000	4000
CEP-0023	subCEP CHR 12p Pinpoint FISH Probe	31400000	34600000	3200000	4000
CEP-0024	subCEP CHR 12q Pinpoint FISH Probe	37400000	40800000	3400000	4000
CEP-0026	subCEP CHR 13q Pinpoint FISH Probe	18700000	21700000	3000000	4000
CEP-0028	subCEP CHR 14q Pinpoint FISH Probe	18700000	21700000	3000000	4000
CEP-0030	subCEP CHR 15q Pinpoint FISH Probe	20000000	25700000	5700000	4000
CEP-0033	subCEP CHR 17p Pinpoint FISH Probe	18300000	21400000	3100000	4000
CEP-0034	subCEP CHR 17q Pinpoint FISH Probe	26800000	28600000	1800000	4000
CEP-0035	subCEP CHR 18p Pinpoint FISH Probe	13500000	15100000	1600000	2000
CEP-0036	subCEP CHR 18q Pinpoint FISH Probe	21000000	22900000	1900000	4000
CEP-0037	subCEP CHR 19p Pinpoint FISH Probe	21200000	24200000	3000000	3000
CEP-0038	subCEP CHR 19q Pinpoint FISH Probe	27800000	29200000	1400000	4000
CEP-0039	subCEP CHR 20p Pinpoint FISH Probe	24400000	26400000	2000000	4000
CEP-0040	subCEP CHR 20q Pinpoint FISH Probe	29100000	32900000	3800000	4000
CEP-0042	subCEP CHR 21q Pinpoint FISH Probe	13300000	16300000	3000000	4000
CEP-0044	subCEP CHR 22q Pinpoint FISH Probe	15800000	19200000	3400000	4000
CEP-0045	subCEP CHR Xp Pinpoint FISH Probe	55600000	58500000	2900000	4000
CEP-0046	subCEP CHR Xq Pinpoint FISH Probe	62700000	66000000	3300000	4000

Peritelomeric DNA Probes (subtelo)

sub TELO DNA Probes					
SKU	sub-telo	start	end	coordinate range	oligos
TEL-0001	chr01p	630000	3210000	2580000	4000
TEL-0002	chr01q	247200000	248900000	1700000	4000
TEL-0003	chr02p	10000	1720000	1710000	4000
TEL-0004	chr02q	239700000	241800000	2100000	5000
TEL-0005	chr03p	50000	2270000	2220000	4000
TEL-0006	chr03q	195600000	198100000	2500000	3500
TEL-0007	chr04p	70000	2390000	2320000	4000
TEL-0008	chr04q	187800000	190100000	2300000	4000
TEL-0009	chr05p	20000	2210000	2190000	4000
TEL-0010	chr05q	178900000	181300000	2400000	5000
TEL-0011	chr06p	160000	1290000	1130000	4000
TEL-0012	chr06q	169200000	170700000	1500000	3000
TEL-0013	chr07p	200000	2070000	1870000	4000
TEL-0014	chr07q	158500000	159300000	800000	4000
TEL-0015	chr08p	150000	3730000	3580000	4000
TEL-0016	chr08q	142600000	145100000	2500000	3500
TEL-0017	chr09p	200000	1510000	1310000	4000
TEL-0018	chr09q	137100000	138200000	1100000	2000
TEL-0019	chr10p	50000	1340000	1290000	4000
TEL-0020	chr10q	131500000	133600000	2100000	5000
TEL-0021	chr11p	200000	3640000	3440000	4000
TEL-0022	chr11q	134500000	135100000	600000	3000
TEL-0023	chr12p	170000	1850000	1680000	4000
TEL-0024	chr12q	131500000	133300000	1800000	4000
TEL-0026	chr13q	112000000	114300000	2300000	5000
TEL-0028	chr14q	103800000	106900000	3100000	3000
TEL-0030	chr15q	100300000	101900000	1600000	5000
TEL-0031	chr16p	30000	2060000	2030000	4000
TEL-0032	chr16q	88600000	90100000	1500000	3500
TEL-0033	chr17p	400000	2400000	2000000	4000
TEL-0034	chr17q	82200000	83200000	1000000	4000
TEL-0035	chr18p	50000	2240000	2190000	4000
TEL-0036	chr18q	78800000	80300000	1500000	3500
TEL-0037	chr19p	270000	2870000	2600000	4000
TEL-0038	chr19q	58100000	58600000	500000	3500
TEL-0039	chr20p	70000	1930000	1860000	4000
TEL-0040	chr20q	62400000	64300000	1900000	4000
TEL-0042	chr21q	45700000	46700000	1000000	4000
TEL-0044	chr22q	49200000	50700000	1500000	4000
TEL-0045	chrXp	2780000	5610000	2830000	4000
TEL-0046	chrXq	152900000	155700000	2800000	5000
TEL-0047	chrYp	2780000	10210000	7430000	3500

Chromosome Paint DNA Probes

Human Whole Chromosome Paints		
SKU	chromosome paint	oligos
CPT-0001	chr1	17550
CPT-0002	chr2	19710
CPT-0003	chr3	14490
CPT-0004	chr4	21420
CPT-0005	chr5	20520
CPT-0006	chr6	18990
CPT-0007	chr7	11700
CPT-0008	chr8	16470
CPT-0009	chr9	12960
CPT-0010	chr10	15120
CPT-0011	chr11	15030
CPT-0012	chr12	15030
CPT-0013	chr13	11070
CPT-0014	chr14	8010
CPT-0015	chr15	7470
CPT-0016	chr16	8730
CPT-0017	chr17	8640
CPT-0018	chr18	8910
CPT-0019	chr19	5850
CPT-0020	chr20	7110
CPT-0021	chr21	3870
CPT-0022	chr22	3960
CPT-0023	chrX	10170
CPT-0024	chrY	1080

Chromosome Paint DNA Probe Scope Data

Human Whole Chromosome Paints Excitation/Emission by Fluor		
SKU - suffix	Fluorophore	Excitation/ Emission
A	Atto550 /Spectrum Orange	555 / 576
B	TexRed	595 / 620
C	6-FAM/ Spectrum Green	490 / 525
D	Atto643/647/Cy5	643 / 669
E	Atto425/Aqua	425 / 485
F	Custom	n/a

Probe Kit Data

PPF053-A	TP53/CEP17 Kit	start	end	coordinate range	oligos
	TP53	7430000	7930000	500000	2000
	CEP17	26800000	28600000	1800000	3500