

ChromoQuant® QF-PCR Kit
for detection of aneuploidy in chromosomes 13, 18, 21 and X,Y.
P/N 311.003-52



Chr 21
(311)



Chr 13, 18
(311)



Chr 13
extra
(313)



Chr 18
extra
(318)



Chr 21
extra
(321)

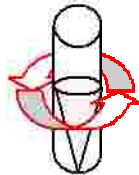
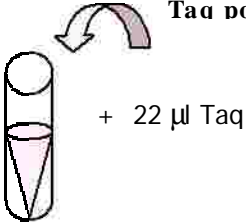


Chr X, Y
extra
(330)

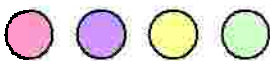


Standard analysis chromosome 21, XY (blue), 13,18, XY (white)

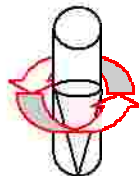
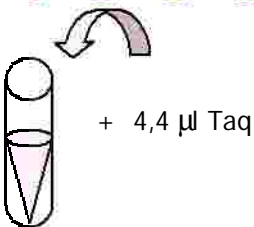
S 52 tests of each. See **Instructions for Use** concerning validated Taq polymerases.



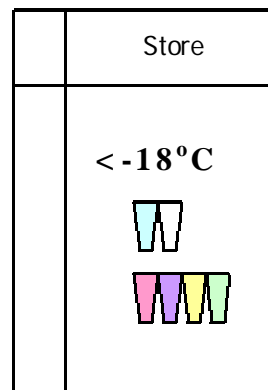
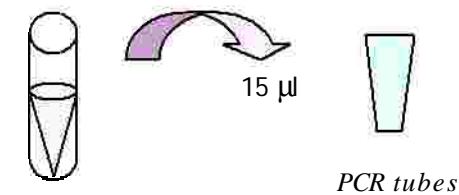
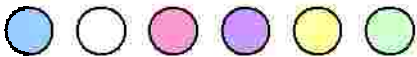
Vortex, spinn



Extra markers chr. 13 (red), 18 (violet), 21 (yellow), X,Y (green)
Σ 10 tests of each. See **Instructions for Use** concerning validated Taq polymerases.



Vortex, spinn

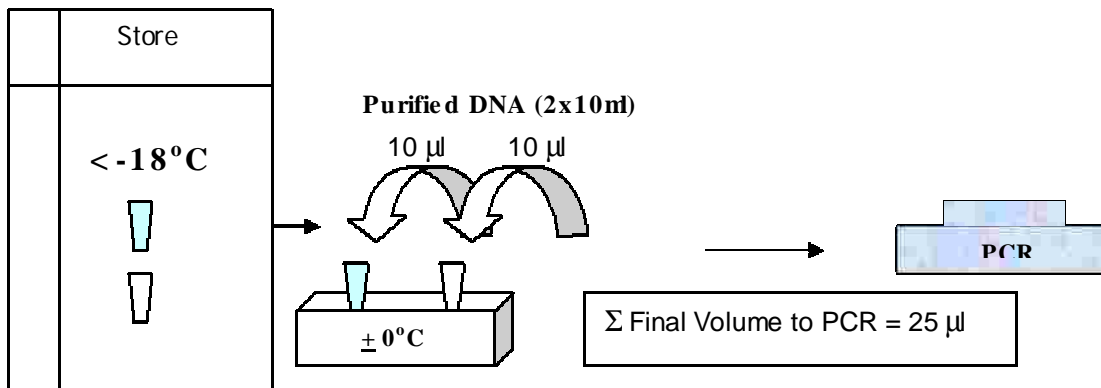


See instructions on the back side for information of PCR conditions etc.

Support desk available at: chromoquant@cybergene.se
Tel: +46 8 608 23 90

For full **Instructions for Use and User's Guide**. Please download latest version from CyberGene's web site at: www.cybergene.se/UserDownloads.htm
For User ID and Password: contact chromoquant@cybergene.se

PCR step



PCR Protocol

Choose step 1 according to Taq polymerase used

Step	No. of cycles	Temp.	Time
<i>1 HotStart 1 GoTaq</i>	<i>1 1</i>	<i>95°C 94°C</i>	<i>15 min 3 min</i>
2	Repeat 26	94°C	30 sek
3	"	57°C	1 min
4	"	71°C	2 min
5	1	71°C	5 min
6	1	60°C	1 h
7	HOLD	4 °C	∞

Capillary Electrophoresis Conditions

	ABI3100, 3130, 3730	ABI310	MegaBACE
Injection voltage	1,2 kV	1,5 kV	4 kV
Injection time	15-23 sec	30 sec	45 sec
Run Voltage	15 kV	15 kV	10 kV
Matrix	DS-30 (ABI) 6-FAM, HEX, NED	DS-30 (ABI) 6-FAM, HEX, NED	LR matrix (GE Healthcare)
Filter set	3100, 3130: D 3730: any 4 dye filter	D filter	Filter set 2
Run time	60 min	60 min	120 min
Polymer	POP4 (3100) POP7 (3130, 3730)	POP4	Linear (LPA)
Loading mix	12 μl HiDi FA + 0,3 μl size std + 0,5-1,0 μl PCR product	12 μl HiDi FA + 0,3 μl size std + 0,5-1,0 μl PCR product	7,5 μl water + 0,5 μl size std + 2 μl PCR product
Size standard	GeneScan-500 ROX P/N 401734	GeneScan-500 ROX P/N 401734	GE Health. ET-ROX P/N 25-6550-01

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Full Instructions for Use & User's Guide at:
www.cybergene.se/ChromoQuantQFPCR.htm

Register as a user at: chromoquant@cybergene.se