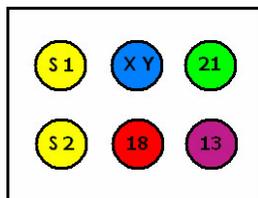


## Aneufast™ QF-PCR Kit components



**S1/ S2 Sets:** Ready to use mixes for 100 reactions each

**XY, 21, 18, 13 Sets:** Ready to use mixes for 10 reactions each

### Quick PCR set up Protocol

Defrost tubes and vortex 10 sec. Aliquot PCR Mix in each PCR tube in accordance with the table below:

|                   |              |
|-------------------|--------------|
| Multiplex PCR Mix | 10 µl        |
| DNA               | 1-10ng       |
| H <sub>2</sub> O  | up to 15 µl  |
| Final PCR volume  | <b>15 µl</b> |

DNA volume can vary between 1 and 5µl. H<sub>2</sub>O may be added to the mix before aliquoting

**Warning:** In order to avoid possible contamination, Aneufast™ PCR mix should be aliquoted in the PCR Area with dedicated pipettes and filtered tips. One drop of mineral oil on each PCR tube will also reduce the risk of contamination by amplicons generated in previous PCR.

## Performing PCR

In order to increase the PCR specificity, Hot Start Taq Polymerase is included in the reaction buffer. The enzyme is totally inactive at room temperature. This allows PCR set up without ice. Activation is achieved with 15 min. hold at 95°C.

**1-** Program the Thermalcycler according to the following parameters:

| Taq Activation  | Denaturation        | Annealing               | Extension       | Final extension | Store       |
|-----------------|---------------------|-------------------------|-----------------|-----------------|-------------|
| <b>Hold</b>     | <b>25-28 Cycles</b> |                         |                 | <b>Hold</b>     | <b>Hold</b> |
| 95°C<br>15 min. | 95°C<br>40 sec.     | 60°C<br>1 min 30<br>sec | 72°C<br>40 sec. | 60°C<br>30 min. | 4-20°C<br>∞ |

**2-** Place tubes in Thermalcycler and close the lid.

**3-** Start the PCR.

**Warning:** After PCR is complete, tubes should never be opened in the PCR set up area. This is essential in order to avoid contamination at any future PCR amplification.