PROTRANS Cyclerplate System
Protrans Cyclercheck

REF 200 100, 200 105

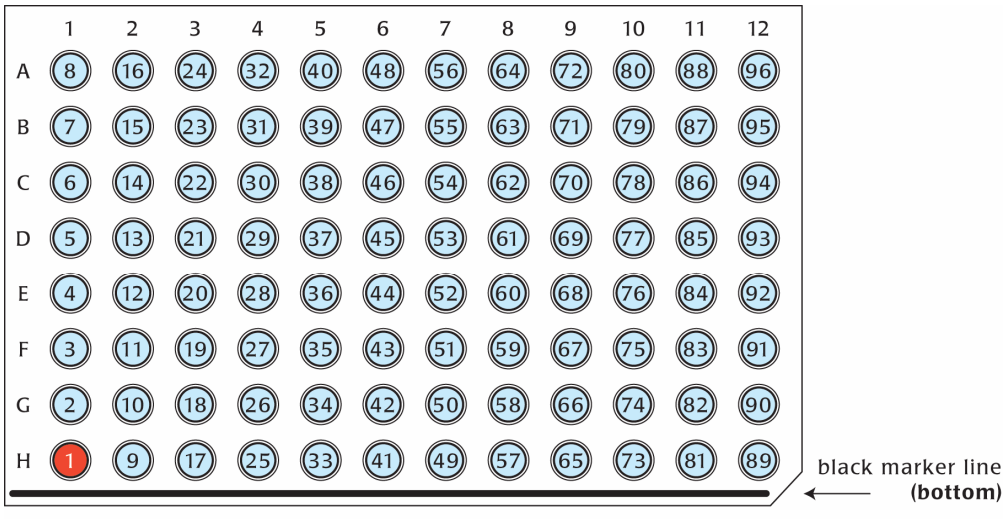
Instruction

Protrans SSP Cycler Program			
Initial denaturation	94℃	2 min	Hold
Denaturation	94℃	15 sec	10 cycles
Annealing and Extension	65℃	60 sec	
Denaturation	94℃	15 sec	20 cycles
Annealing	61℃	50 sec	
Extension	72℃	30 sec	
Hold	4℃	15 min	Hold
Ramp rate 1℃/sec.			

1. Take the Protrans PCR workstation out of the freezer (-20℃).
   Take the Protrans **Buffer D (blue cap)** and **Protrans Buffer E (purple cap)** and **Protrans Buffer Y** out of the freezer (-20℃).
   Place the Protrans Buffer D, E in the PCR workstation.
   Thaw Protrans Buffer Y and place it in the PCR workstation.
2. Take the **Protrans Cyclercheck Cyclerplate** out of the refrigerator (2-8℃) and place it in the PCR workstation. If you want, you can cut the Protrans 96-well Cyclercheck Cyclerplate with the Protrans cutter in 2x 48-well or 4x 24-well Cyclerplates.
3. Preparation of the **Master Mix**.
   For each 96-well Protrans Cyclercheck Cyclerplate pipette in a 1.5ml reaction tube:

Protrans Cyclercheck	Buffer D	Buffer Y	Taq Polymerase 5U/µl	Buffer E
	276 µl	**710 µl**	**6.5 µl**	**50 µl**

4. Vortex the **Master Mix** very thoroughly and spin the tube shortly.
5. Remove the label from the Protrans Cyclercheck Cyclerplate and mark the plate.
6. **Dispense of the Master Mix** with a stepper:
   10µl in **all 96 positions** of the Protrans **Cyclercheck Cyclerplate**.
7. Shake down the red Master Mix drops in the Protrans Cyclercheck Cyclerplate.
8. Close the Protrans Cyclercheck Cyclerplate with the Protrans 96-well coverplate or strips and seal it very carefully by pressing the caps into the wells.
9. Place Protrans Cyclercheck Cyclerplate directly in the thermocycler, final volume 10µl, and start the amplification immediately or store the covered cyclerplate at 2-8℃ and start the amplification within 2 hours.



For the complete USER MANUAL PROTRANS SSP please refer to www.protrans.info