03_02_Heat-inactivation-of-TdT-reaction

MONTAG, 27.9.2021

Goal-Setting

- Inactivate TdT reaction through heating

Terms / abbreviations

- TdT = Terminal deoxynucleotidyl transferase

Risk areas

- If spilled, always wipe surface with alcohol

Hazard symbols

Required materials and / or information

- Samples

Templates, devices, software

- Thermocycler, Eppendorf

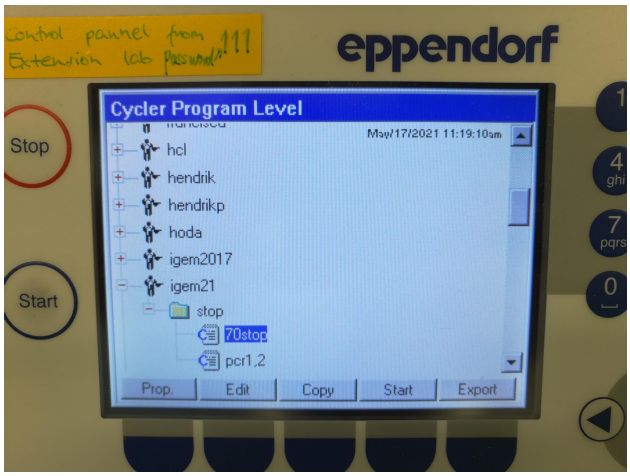
Preliminary work

- 03_01_NEB-protocol-for-TdT-tailing-reaction
- 03_01_Thermofisher-protocol-for-TdT-tailing-reaction

Operation

1. Turn on thermocycler through the switch on the back left side of the device
2. Use Benutzername and Passwort to login
3. Place samples into cycler by opening the lid. Fully close lid aftewards.
4. In iGEM21 open 'Stop' folder and start '70stop' program (70 °C, 20 min)
    a. Always start the thermocycler in advance
    b. Inacivatiing samples for 10 min should be enough
5. When finished, logout and shut down afterwards
6. Turn the electricity off when shutting down

Thermocycler navigation



Disposal

- None

Troubleshooting

- If something went wrong, restart the thermocycler
- Wear gloves to reduce the risk of DNAse and RNAse contamination

Follow-up work

- 01_02_Sample-preparation-for-gel-electrophoresis