

03_02 Heat Inactivation of TdT Reaction

MONTAG, 27.9.2021

Goal-Setting

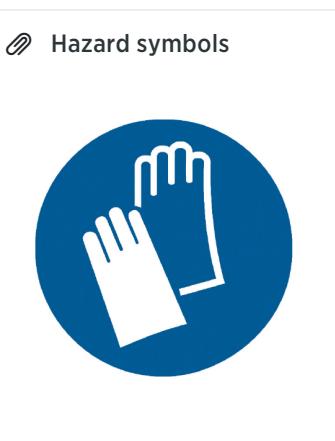
- Inactivate TdT reaction through heating

Terms / abbreviations

- TdT = Terminal deoxynucleotidyl transferase

Risk areas

- If spilled, always wipe surface with alcohol



Required materials and / or information

- Samples

Templates, devices, software

- Thermocycler, Eppendorf

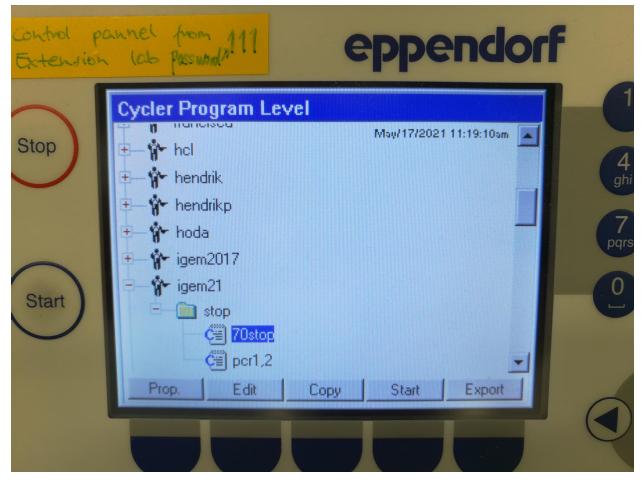
Preliminary work

- [03_01 NEB Protocol for TdT Tailing Reaction](#)
- [03_01 ThermoFisher Protocol for TdT Tailing Reaction](#)

Operation

- Turn on thermocycler through the switch on the back left side of the device
- Use Benutzername and Passwort to login
- Place samples into cycler by opening the lid. Fully close lid afterwards.
- In iGEM21 open 'Stop' folder and start '70stop' program (70 °C, 20 min)
 - Always start the thermocycler in advance
 - Inactivating samples for 10 min should be enough
- When finished, logout and shut down afterwards
- 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](#)