

Direct RNA Sequencing Kit

Consumables

- 1.5 ml Eppendorf DNA LoBind tubes
- 0.2 ml thin-walled PCR tubes
- Nuclease-free water (e.g. ThermoFisher, cat # AM9937)
- Freshly prepared 70% ethanol in nuclease-free water
- SuperScript III Reverse Transcriptase (Thermo Fisher Scientific, cat # 18080044)
- 10 mM dNTP solution (e.g. NEB cat # N0447)
- Concentrated T4 DNA Ligase 2M U/ml (NEB cat # M0202)
- NEBNext® Quick Ligation Reaction Buffer (NEB cat # B6058)
- Agencourt RNAClean XP beads
- Qubit RNA HS Assay Kit (ThermoFisher cat # Q32852)
- Qubit dsDNA HS Assay Kit (ThermoFisher cat # Q32851)

Equipment

- Hula mixer (gentle rotator mixer)
- Magnetic rack
- Microfuge
- Vortex mixer
- Thermal cycler
- P1000 pipette and tips
- P200 pipette and tips
- P100 pipette and tips
- P20 pipette and tips
- P10 pipette and tips
- P2 pipette and tips
- Ice bucket with ice
- Timer

Optional Equipment

- Agilent Bioanalyzer (or equivalent)
- Qubit fluorometer (or equivalent for QC check)
- Eppendorf 5424 centrifuge (or equivalent)

cDNA-PCR Sequencing Kit

Consumables

- 1.5 ml Eppendorf DNA LoBind tubes
- 0.2 ml thin-walled PCR tubes
- Nuclease-free water (e.g. ThermoFisher, cat # AM9937)
- Freshly prepared 70% ethanol in nuclease-free water
- Agencourt AMPure XP beads

- 10 mM dNTP solution (e.g. NEB cat # N0447)
- LongAmp Taq 2X Master Mix (e.g. NEB cat # M0287)
- SuperScript IV reverse transcriptase, 5x RT buffer and 100 mM DTT (ThermoFisher Scientific, cat # 18090050)
- RNaseOUT™, 40 U/μl (Life Technologies, cat # 10777019)
- Exonuclease I (NEB, cat # M0293)

Equipment

- Hula mixer (gentle rotator mixer)
- Magnetic rack
- Microfuge
- Vortex mixer
- Ice bucket with ice
- Timer
- Thermal cycler
- P1000 pipette and tips
- P100 pipette and tips
- P20 pipette and tips
- P10 pipette and tips
- P2 pipette and tips
- Pre-chilled freezer block at -20° C for 200 μl tubes (e.g. Eppendorf cat # 022510509)

Optional Equipment

- Agilent Bioanalyzer (or equivalent)
- Qubit fluorometer (or equivalent for QC check)
- Eppendorf 5424 centrifuge (or equivalent)

Direct cDNA Sequencing Kit

Consumables

- NEBNext End repair / dA-tailing Module (E7546)
- NEB Blunt/TA Ligase Master Mix (M0367)
- 1.5 ml Eppendorf DNA LoBind tubes
- 0.2 ml thin-walled PCR tubes
- Nuclease-free water (e.g. ThermoFisher, cat # AM9937)
- Freshly prepared 70% ethanol in nuclease-free water
- Agencourt AMPure XP beads
- 10 mM dNTP solution (e.g. NEB cat # N0447)
- LongAmp Taq 2X Master Mix (e.g. NEB cat # M0287)
- SuperScript IV reverse transcriptase, 5x RT buffer and 100 mM DTT (ThermoFisher Scientific, cat # 18090050)
- RNaseOUT™, 40 U/μl (Life Technologies, cat # 10777019)
- RiboShredder (Epicentre, RS12500), or RNase Cocktail Enzyme Mix (ThermoFisher, cat # AM2286)

Equipment

- Hula mixer (gentle rotator mixer)

- Magnetic rack
- Microfuge
- Vortex mixer
- Ice bucket with ice
- Timer
- Thermal cycler
- P1000 pipette and tips
- P100 pipette and tips
- P20 pipette and tips
- P10 pipette and tips
- P2 pipette and tips
- Pre-chilled freezer block at -20° C for 200 µl tubes (e.g. Eppendorf cat # 022510509)

Optional Equipment

- Agilent Bioanalyzer (or equivalent)
- Qubit fluorometer (or equivalent for QC check)
- Eppendorf 5424 centrifuge (or equivalent)