

Consumables

- 1.5 ml Eppendorf DNA LoBind tubes
- 0.2 ml thin-walled PCR tubes
- Nuclease-free water (e.g. ThermoFisher, cat # AM9937)

Equipment

- Microfuge
- Vortex mixer
- Thermal cycler at 30° C and 80° C
- P1000 pipette and tips
- P100 pipette and tips
- P20 pipette and tips
- P10 pipette and tips
- P2 pipette and tips
- Timer

Optional Equipment

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

Additional materials for:

Rapid Barcoding Kit

(optional consumables)

- Agencourt AMPure XP beads
- Freshly-prepared 70% ethanol in nuclease-free water
- 10 mM Tris-HCl pH 8.0 with 50 mM NaCl

Rapid PCR Barcoding Kit

- Agencourt AMPure XP beads
- Freshly prepared 70% ethanol in nuclease-free water
- LongAmp Taq 2X Master Mix (e.g. NEB M0287)
- 10 mM Tris-HCl pH 8.5 with 50 mM NaCl

16S Barcoding Kit

- Agencourt AMPure XP beads
- Freshly prepared 70% ethanol in nuclease-free water
- LongAmp Taq 2X Master Mix (e.g. NEB M0287)
- 10 mM Tris-HCl pH 8.0 with 50 mM NaCl

Rapid whole genome amplification

- Qiagen REPLI-g UltraFast Mini Kit
- Phosphate buffered saline (PBS)