

Automation-enabled NGS solutions

More consistency, less hands-on time, greater throughput

In collaboration with **HAMILTON**

Automated

Hands-on

Day 1

- 1 **Setup**
Load reagents and samples 30 min
- 2 **Fragmentation, End-repair & 3' A-Tailing**
Automatically add reagents and perform reactions 1 h
- 3 **Adapter Ligation**
Automatically add index adapters and ligate 1 h
- 4 **Ligation Double Purification**
Automated double purification 45 min
- 5 **Pre-Capture PCR and Purification**
Automated PCR and purification 1 h 15 min
- 6 **QC**
Qubit and TapeStation QC 1 h
- 7 **Setup**
Load samples and enrichment reagents 30 min
- 8 **Pooling Setup**
Automated pooling 1 h
- 9 **Hybridization Preparation**
Automatically add enrichment reagents 15 min
- 10 **Hybridization**
Hybridize off-platform Overnight

Day 2

- 1 **Setup**
Load samples and capture reagents 30 min
- 2 **M270 Bead Preparation**
Automated bead preparation 15 min
- 3 **Hybrid Capture**
Automated transfer samples to beads; incubate at 65°C 45 min
- 4 **Post-Capture Washing**
Automatically perform six washes 1 h
- 5 **Post-Capture PCR and Purification**
Automated PCR and purification 2 h
- 6 **QC**
Qubit and TapeStation QC 30 min
- 7 **Ready for Sequencing**
Workflow complete Complete



**What binds us,
makes us.**

Ordering information

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Discuss
your lab's
automation
strategy with
our experts

