

NGS Library Prep That Has

BOTH

WORKFLOW
SIMPLICITY



PERFORMANCE

APPLICATIONS

High throughput plasmid & amplicon sequencing



Synthetic construct screening

Vector verification



Gene editing QC

ExpressPlex™ 2.0 Workflow

Reaction Setup

10 min

n = 96
17 indices
Indexing
Plate
Transfer 4 µL

DNA Sample
Plate
n = 96 samples
(average conc. 2.5 ng/µL)
Transfer 4 µL

Amplify Libraries

70 min

Ready
Reaction
Plate
8 µL per well (preloaded)
16 µL total reaction volume
per well
Thermal
cycle
n = 96
amplified
libraries

Pool

n = 1
tube

Purify

Sequence

HANDS ON

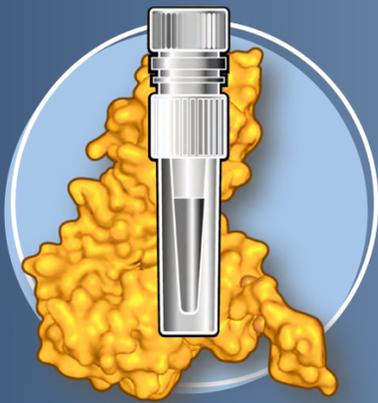


20 min

Total Elapsed Time - 100 min

WORKFLOW
SIMPLICITY

TnX™ Next Generation Transposasedon't be so biased



Fit-for-purpose performance:

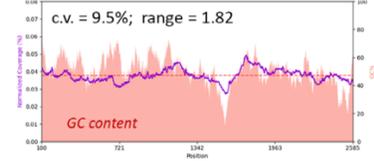
Reduced bias

Improved coverage uniformity

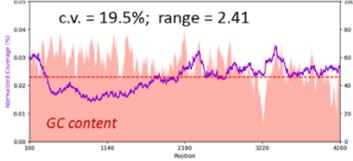
Increased enzyme activity

Enhanced enzyme robustness

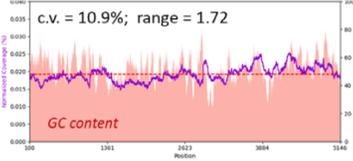
pUC19 (2,686 bp)



pBR322 (4,361 bp)



pMal-c6T (5,247 bp)



Library preparation of pUC19, pBR322 and pMal-c67 plasmid DNA was performed using the ExpressPlex 2.0 kit using standard manufacturer's protocols. Libraries were sequenced using an Illumina MiSeq.

PERFORMANCE

>80%
reduction in tips/
plastics usage



Anyone can rapidly produce
a quality NGS library using
ExpressPlex™ 2.0!

- Zachary Neuschaefer
Principal NGS Engineer,
LifeMine Therapeutics

RESULTS



4/4



initial users said it exceeded
their **workflow, productivity**
& **cost** expectations