1 Transposome design & assembly

Optional barcode

SMRT Hairpin

Mosaic End (ME) sequence

+ Tn5 ^{R27S,E54K,L372P} →
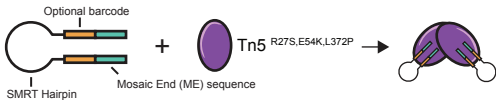
2 Tagmentation of high-molecular weight gDNA

2 - 10 kilobases (kb)

3 Optimized gap repair & exonuclease clean-up

9 bp gap

9 bp gap

4 PacBio circular consensus sequencing