



Preparation of TrackerSeq Barcode library for sequencing

- ① eGFP mRNA containing LBC produced by cell

eGFP Read 2 LBC Poly(A)
- ② 10X bead-capture of mRNA using poly-dT, cDNA RT extension

eGFP Read 2 LBC Poly(A)

Poly(dT)

UMI cellbc Read1

10X gel bead
- ③ Barcode library prepared by amplifying from read2 (from barcode region) and read1 (from bead), adding illumina P7 & P5 adapters

P7 P7 ind

eGFP Read 2 LBC Poly(A) UMI cellbc Read1

P5 ind P5
- ④ Barcode library format, seq paired end R1/ind/ind/R2 28/10/10/100

P7 P7 ind Read 2 LBC Poly(A) UMI cellbc Read1 P5 ind P5