ATAC-Seq:

The ATAC-Seq assay is optimized for 100-50,000 cells. Adapter loaded Tn5 transposase fragments and tagments the nuclei in one step. Following SPRI selection (Agencourt AMPure XP beads, A63880), the tagmented DNA is PCR amplified with dual indexing Illumina primers to generate a sequencing library. The library is quantified using the KAPA qPCR Library Quantification Kit (KAPA, KK4844). Libraries are pooled at equimolar ratios and sequenced using 75 bp paired-end Illumina chemistry at 20M reads per sample.

For detailed methods see: Scharer et al. *Scientific Reports* 2016.