Low Cell ChIP-Seq Kit

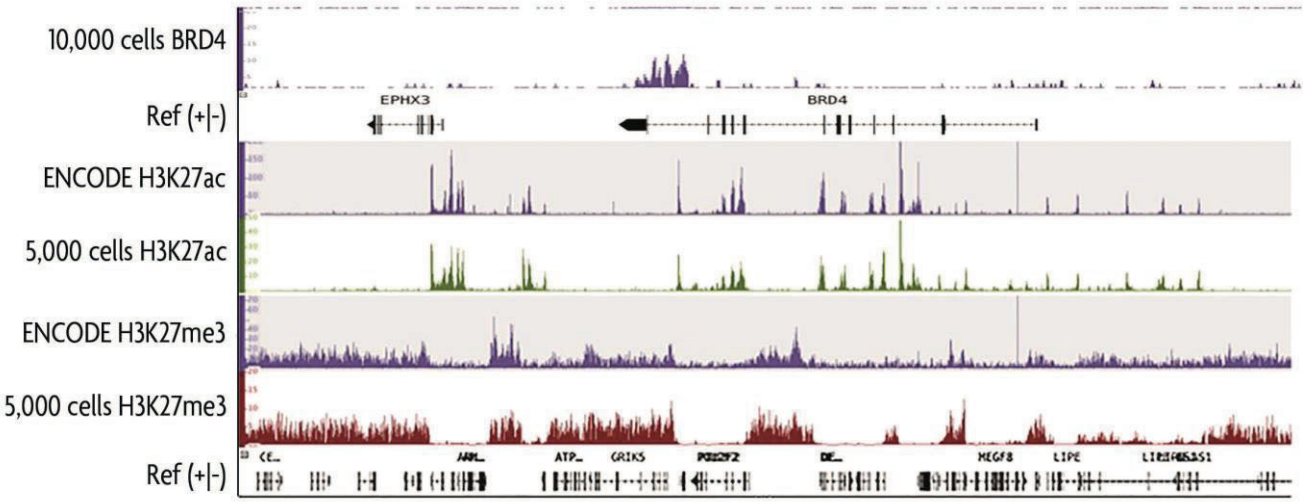
Area of Use

- **Complete ChIP-seq workflow** including chromatin preparation, IP and NGS library prep.
- Is optimized for **limited amounts** of cells or small tissue biopsies
- Can be used to **multiplex up to 16 samples** on the same sequencing flow cell

Features

- Enables **reproducible ChIP-Seq** data from as little as 1,000-50,000 cells starting material
- **Molecular Identifiers** (MIDs) to increase the number of unique alignments
- Blocking reagents and an optimized protocol **improve signal-to-noise ratio**

Example Data



Low Cell ChIP-Seq peaks for BRD4, H3K27ac and H3K27me3 histone modifications compared to ENCODE data sets.

Publications

- Bcl11b is essential for licensing Th2 differentiation during helminth infection and allergic asthma.
  Lorentsen et al. (2018) Nature Communications

Complementary Products

- ChIP-seq validated Antibodies
- Sonicator equipment

Contact

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