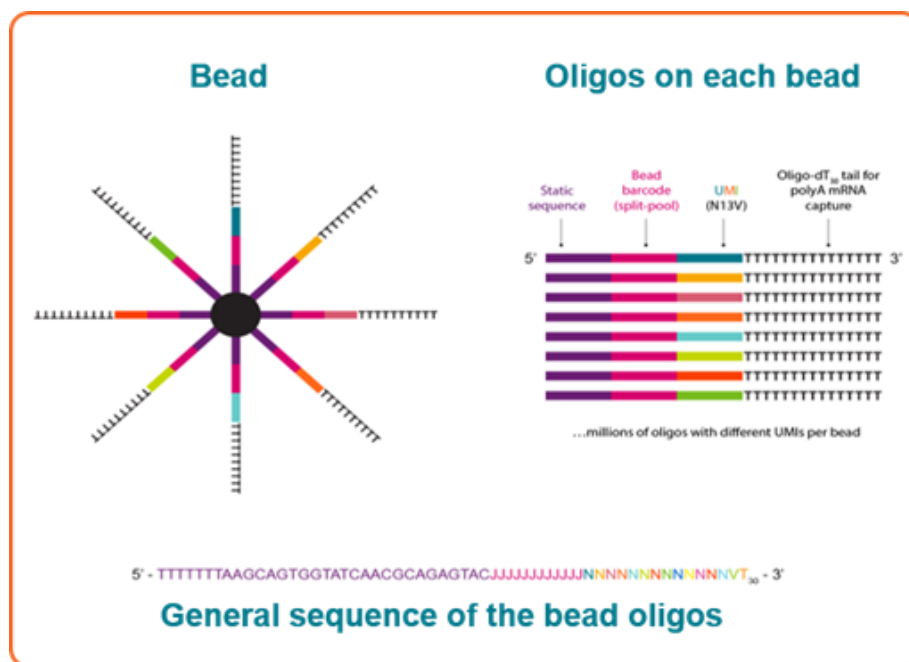


NxSeq Single-cell RNA-seq Beads

New NxSeq Single-cell RNA-seq Beads are non-magnetic beads that are coated with oligos ending in a 3' poly-dT capture sequence. The key feature of these beads is a unique barcode on each bead where every oligo on that bead has the same barcode but every bead has a different barcode. Best illustrated in the picture below.

The oligos include a unique molecular identifiers (UMI), so customers can use these beads in a dropseq-style single-cell RNA-seq experiment to capture and sequence the mRNAs from a single cell. All the transcripts in the RNA-seq library from each single cell end up being barcoded with the same barcode present on the bead that was associated with that cell. Many individual cells are sequenced in each experiment.



Product information

NxSeq Single-cell RNA-seq Beads are similar to and a direct replacement for the dropseq beads manufactured and sold by other companies. These beads are superior for the following reasons:

Consistent: Each lot of beads has tightly controlled bead size and produces consistent performance lot to lot.

Powerful: The 14 base UMI enables sequencing and identification of more unique reads.

Quality-controlled: Each batch of beads is functionally tested to ensure you get consistent performance.

Flexible: Custom dispensing and pricing available for bulk, high volume purchases.

NOTE:

For sequencing each NxSeq Bead contains an extended UMI of N13V (14 total bases) compared to other commercially available beads. As such, you will need to adjust the Read 1 length of your sequencing accordingly.

**Integrated tools.
Accelerated science.**



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