Materials & Methods For Dovetail® Micro-C Kits

Ready to publish data generated using the Dovetail® Micro-C Kit? Dovetail® scientists have drafted the suggested text below for referencing the use of the Dovetail® Micro-C Kit in your Materials & Methods. Simply 'copy and paste' and edit the highlighted [text].

The Micro-C library was prepared using the Dovetail® Micro-C Kit according to the manufacturer's protocol. Briefly, the chromatin was fixed with disuccinimidyl glutarate (DSG) and formaldehyde in the nucleus. The cross-linked chromatin was then digested *in situ* with micrococcal nuclease (*MNase)*. Following digestion, the cells were lysed with SDS to extract the chromatin fragments and the chromatin fragments were bound to Chromatin Capture Beads. Next, the chromatin ends were repaired and ligated to a biotinylated bridge adapter followed by proximity ligation of adapter-containing ends. After proximity ligation, the crosslinks were reversed, the associated proteins were degraded, and the DNA was purified then converted into a sequencing library using Illumina-compatible adaptors. Biotin-containing fragments were isolated using streptavidin beads prior to PCR amplification. The library was sequenced on an Illumina [ ] platform to generate [X] million 2 x [XXX] bp read pairs.