Accelerate Your Hi-C Studies
with the Dovetail® TopoLink™ v2 Assay
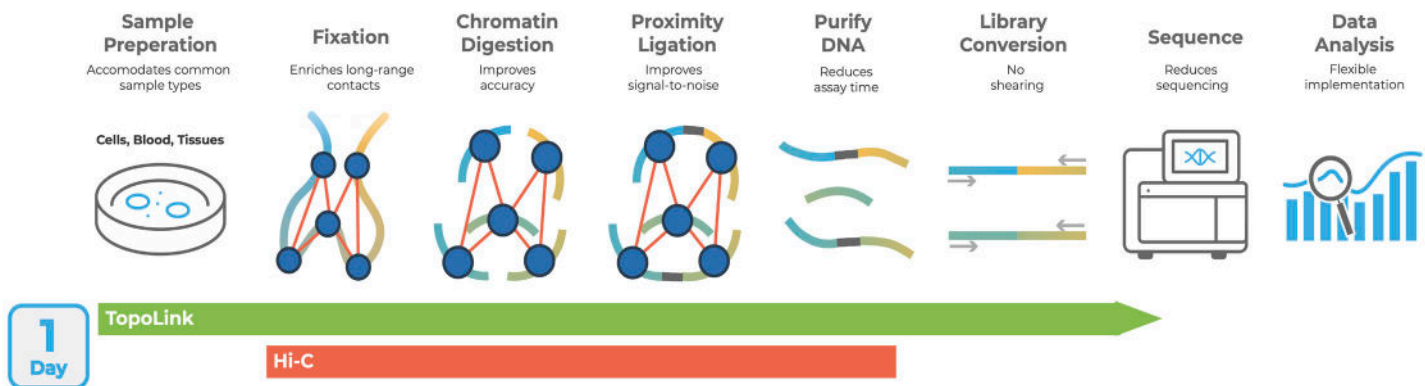
Fastest Hi-C Workflow • **Reduced Sequencing** • **Improved Accuracy**

Accelerate Your Hi-C Studies

Powered by novel LinkPrep™ chemistry, the Dovetail® TopoLink™ Assay addresses one of the most challenging hurdles in Hi-C data generation – assay length and difficulty. The Dovetail® TopoLink™ workflow enables users to go from sample to sequence-ready library in less than a day.
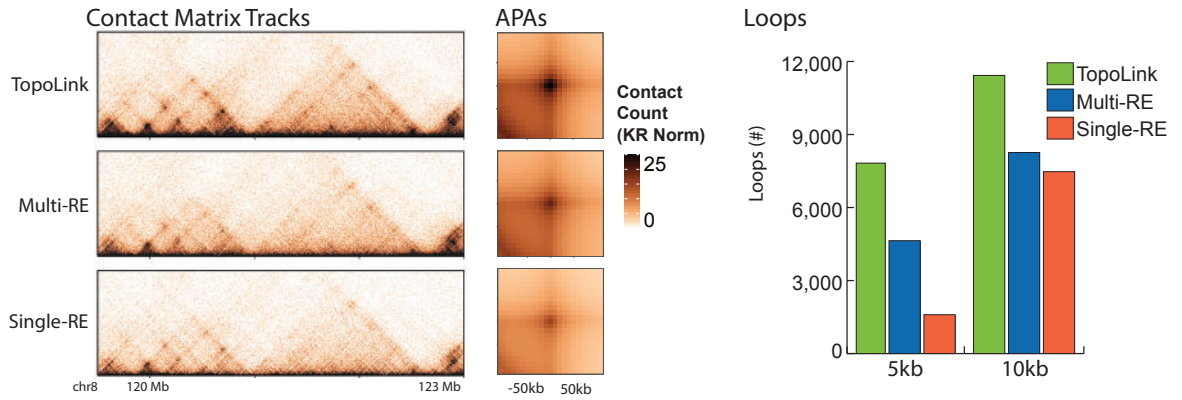

See More - Sequence Less

Detect more TADs and loops compared to traditional Hi-C. Moreover, detected features have higher read support resulting in high-confidence feature calling even at reduced sequencing depths. As a result, fewer libraries and less sequencing are required simplifying experimental design and execution.

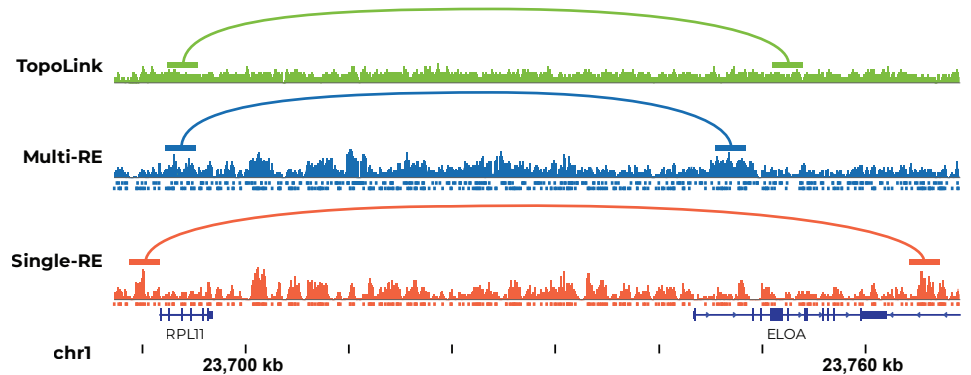|	TopoLink	Hi-C
Required Input (cells)	1 Million	2-5 Million
Total Assay Time	1 Day	2-3 Days
Required Proximity Ligation Reactions	1	3 - 4
Required # Libraries	3	6 - 8
Required Read Pairs For Loop Detection	800 Million	1.2 - 1.6 Billion
TADs Called	5,179	2,386
Loops Called	19,253	9,071 - 12,899

GENERATE HIGH QUALITY CONTACT MATRICES AND IMPROVE FEATURE DETECTION

Contact Matrix Tracks — TopoLink, Multi-RE, Single-RE — chr8 120 Mb – 123 Mb

APAs — Contact Count (KR Norm): 25 to 0 — -50kb to 50kb

Loops — Loops (#): 12,000 / 9,000 / 6,000 / 3,000 / 0 at 5kb and 10kb — TopoLink (green), Multi-RE (blue), Single-RE (orange)

UNBIASED GENOMIC COVERAGE EQUALS IMPROVED ACCURACY

Our uniform sequence coverage produces the most accurate chromatin interaction map possible. Where the non-uniform restriction enzyme site distribution associated with traditional Hi-C methods often skews signals, you can be confident in the position of interactions detected by the Dovetail TopoLink Assay.

Uneven Sequence Coverage Shifts Loop Position — TopoLink, Multi-RE, Single-RE — chr1, RPL11, ELOA, 23,700 kb, 23,760 kb

ORDER NOW

The Dovetail TopoLink Kit supports all steps from sample preparation through to sequencing library generation – there is no need to purchase a separate library preparation kit.

Part Number	21010
# Reactions	8
# Libraries per sample	3 (24 total library conversions)
Supported Samples	Mammalian Cells, Tissue, Blood

- Quality Control
- Actionable Data
- Integratable Outputs