

Generate a  
sequencing library



in just **3** hours

# TELL-Seq™

Transposase Enzyme Linked Long-read Sequencing

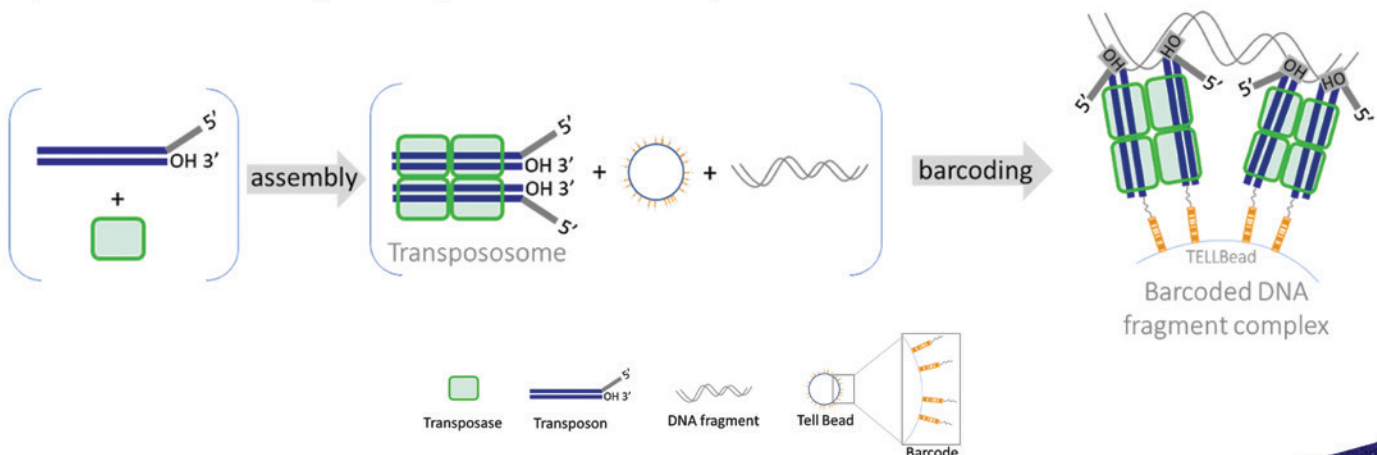
Transposase Enzyme Linked Long-read Sequencing is a simple and scalable NGS library technology that generates barcoded linked reads for genome scale sequencing applications. The whole barcoding procedure can be carried out in a PCR tube without the need for expensive instrumentation.

## The New Standard Library Method for WGS

The TELL-Seq™ Whole Genome Sequencing (WGS) Library Prep Kit generates a sequencing library in just 3 hours. The protocol can be easily adjusted based on the genome size to be analyzed. TELL-Seq™ WGS Library Prep Kit allows for *de novo* assembly of a wide range of genomes.

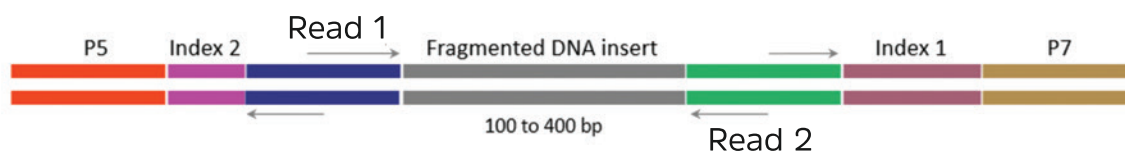
## How it works

TELL-Seq™ uses transposase tagging in combination with magnetic beads to capture and barcode long DNA fragments simultaneously.

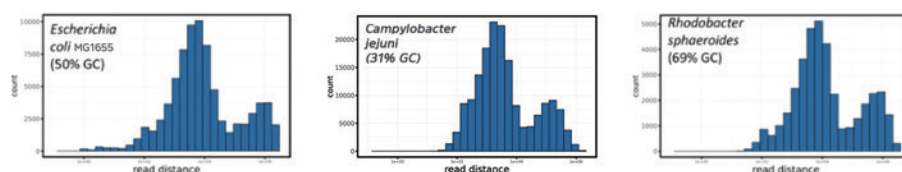


## TELL-Seq™ Library Structure

The TELL-Seq™ library is simple and compatible with all Illumina sequencers.



## TELL-Seq™ Results for Three Bacteria with Different GC Content



	<i>E. Coli</i> MG1655	<i>C. jejuni</i>	<i>R. sphaeroides</i>
Total length (bp)	4,725,322	1,674,730	5,173,415
Reference length (bp)	4,641,652	1,641,464	4,602,977
Largest contig (bp)	4,640,256	1,652,047	3,962,838
N50 Contig length (bp)	4,640,256	1,652,047	3,962,838
Misassemblies	0	0	52
Mismatches per 100 kbp	5.4	10.9	17.7
Indels per 100 kbp	0.4	4.0	3.5
Genome fraction (%)	99.9	99.9	97.8

TELL-Seq™ has successfully been used in the de novo sequencing of microbial samples, as well as large genome phasing and structural variant mapping (not shown here).

**What are you waiting for?**  
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