

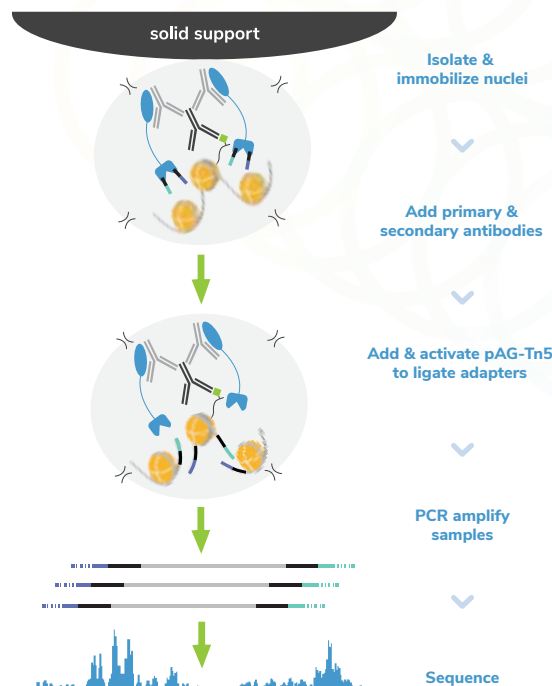
CUTANA™ CUT&Tag Assays for chromatin mapping with low cell numbers



Cleavage Under Targets and Tagmentation (CUT&Tag) is an ultra-sensitive chromatin mapping technology that is ideal for histone post-translational modifications (PTMs).

How does CUT&Tag compare to ChIP-seq?

- Streamlined - no fragmentation, IP, or library prep
- Improved signal-to-noise
- Fewer cells needed
- Rapid 2-day workflow
- Reduced sequencing costs



For high-quality chromatin profiling, choose CUTANA™ Assays

FEATURES	ChIP-seq	CUT&RUN	CUT&Tag
Cells/nuclei required	>1 Million	5,000* - 500,000	10,000* - 100,000
Compatible targets	Histone PTMs, TFs	Histone PTMs, TFs & chromatin remodelers	Histone PTMs
Uniquely mapped reads	>30 Million	3-8 Million	5-8 Million
Signal-to-noise	Low	High	High

* Success at lower inputs depends on antibody quality, cell type, and target abundance.

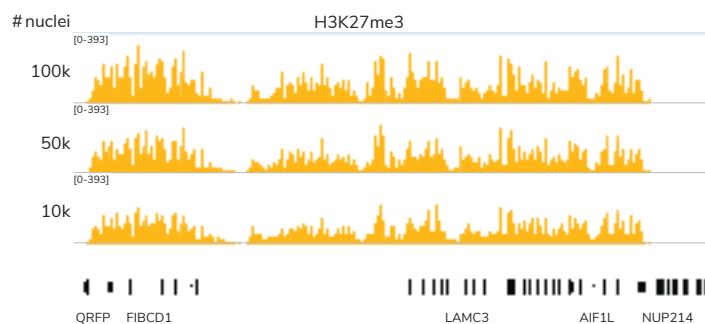


FIGURE 1 CUT&Tag generates highly reproducible H3K27me3 profiles down to 10,000 nuclei. K562 cell were used as input.

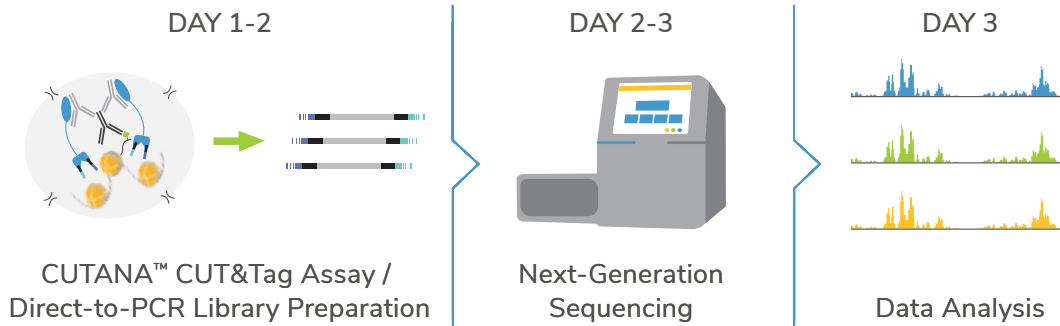
Advantages of CUTANA CUT&Tag

- Reliable data with ultra-low cell inputs
- Exclusive single-tube workflow
- User-friendly protocol with FAQs and troubleshooting tips
- Defined spike-in controls ensure experimental success



Available in Canada at ... **MJS BioLynx**
A Division of... **CHROMATOGRAPHIC SPECIALTIES INC.**

1-888-593-5969
biolynx.ca • tech@biolynx.ca



KITS	<p>Get started with our CUTANA™ CUT&Tag Kit</p> <p>ADVANTAGES:</p> <ul style="list-style-type: none"> Streamlined, single-tube protocol Lowest price per reaction vs. competitors Includes all the reagents and controls you need for successful CUT&Tag 	<p>ORDERING INFO:</p> <p>CUT&Tag Kit 48 reactions</p> <p>Cat. No. 14-1102 - Primer Set 1 Cat. No. 14-1103 - Primer Set 2</p>	<p>CUTANA CUT&Tag Kit</p>		
	<p>PROTOCOLS & RESOURCES</p> <p>EpiCypher offers a detailed CUT&Tag protocol and quantitative spike-in controls to support robust histone PTM profiling.</p> <p>CUT&Tag Protocol: epicypher.com/protocols SNAP-CUTANA™ Spike-in User Guide: epicypher.com/protocols CUT&Tag vs. CUT&RUN Video: https://youtu.be/90hD69eQ41g</p> <p>BLOGS</p> <p>Visit epicypher.com/blog for information and guidance:</p> <ul style="list-style-type: none"> The Complete Guide to CUT&Tag Experiments ChIP-seq vs. CUT&RUN vs. CUT&Tag: Which should you use? Starting CUT&RUN or CUT&Tag for a new target: What you need to know 				
RESOURCES	<p>ENZYMES & REAGENTS</p> <p>pAG-Tn5 50 / 250 reactions Cat. No. 15-1017 Cat. No. 15-1117</p> <p>ConA Conjugated Paramagnetic Beads 50 / 250 reactions Cat. No. 21-1401 Cat. No. 21-1411</p> <p>Non-Hot Start 2X PCR Master Mix 50 reactions Cat. No. 15-1018</p>			<p>PRIMARY ANTIBODIES</p> <p>H3K4me1 Antibody Cat. No. 13-0057</p> <p>H3K4me3 Antibody Cat. No. 13-0060</p> <p>H3K27ac Antibody Cat. No. 13-0059</p> <p>H3K27me3 Antibody Cat. No. 13-0055</p> <p>Rabbit IgG Negative Control Cat. No. 13-0042</p>	<p>SECONDARY ANTIBODIES</p> <p>Anti-Rabbit Secondary Antibody Cat. No. 13-0047</p> <p>Anti-Mouse Secondary Antibody Cat. No. 13-0048</p> <p>SPIKE-IN CONTROLS</p> <p>SNAP-CUTANA™ K-MetStat Panel Cat. No. 19-1002</p> <p>TOOLS</p> <p>Magnetic Separation Racks Cat. No. 10-0008 (0.2 mL) Cat. No. 10-0012 (1.5 mL)</p>
	<p>PRODUCTS</p>				

