

# bioModal

## Reveal the power of the 6-base genome

### Introducing duet multiomics solution evoC

Distinguish 5-methylcytosine (5mC) and 5-hydroxymethylcytosine (5hmC) together with all 4 canonical bases to measure multiple modes of biology from a single low-input DNA sample in a single experiment.

Identify novel multimodal biomarkers to gain transformative insights into current and future states of disease.

[Learn more at biomodal.com](https://biomodal.com)



# duet multiomics solution evoC

## What are the benefits of a 6-base genome?

**Gather complete information from a  
single DNA sample:**

- Combined genome and methylome – A, T, C, G, 5mC, and 5hmC providing a true 6-base genome

**That can be used to determine:**

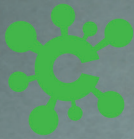
- Somatic vs. germline mutations
- Methylation status of control elements
- Differentially methylated regions (DMR)
- Variant associated methylation (VAM)
- cfDNA fragment profiles

**From which you can predict:**

- Gene expression
- Chromatin accessibility
- Active vs. primed vs. repressed enhancer states





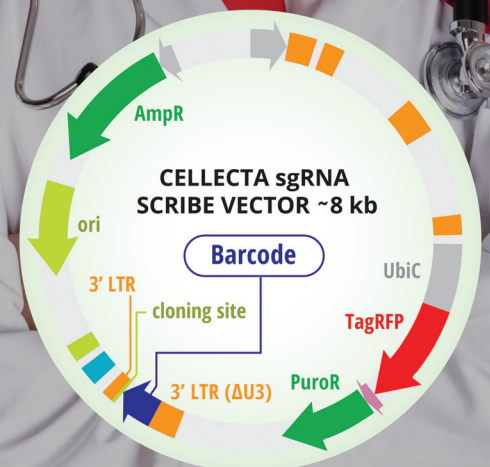


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# CloneTracker™ XP Lentiviral Barcode Libraries

Genetic barcodes for *in vitro* and *in vivo* cell tracking applications.

- Stably label cell populations with up to 10 million unique, error-tolerant barcodes
- Expressed in mRNA, compatible with single-cell RNA-seq
- Fluorescent and chemiluminescent reporters available



Learn how CloneTracker Barcode products can help you track cell populations and clonal cell progeny. Visit [www.cellecta.com](http://www.cellecta.com) today.

## Who we are

Cellecta is a leading provider of genomic products and services. Our functional genomics portfolio includes gene knockout and knockdown screens, custom and genome-wide CRISPR and RNAi libraries, construct services, cell engineering, NGS kits and targeted expression profiling products and services.

We can help your discovery efforts.

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# DNA METHYLATION CONTROLS

Keep Your DNA Methylation Experiments in Control

## AVAILABLE CONTROLS

- High or Low Methylated DNA
- Methylation Calibration Standards
- Human, Mouse, Rat, Monkey, and Custom-Made Controls



## DNA METHYLATION ANALYSIS

### Targeted Bisulfite NGS (tNGBS)

- Single base-pair resolution
- Provide  $\beta$ -value methylation results
- High coverage with average >500x and a minimum 100x

### Pyrosequencing Methylation Analysis

- Quantitative, accurate, and cost-effective



## DNA METHYLATION ASSAY KITS

### Line-1 Global Methylation Assay

- Represents ~17% of the human genome
- Serves as global methylation markers
- Compatible: MS-HRM, tNGBS, and Pyrosequencing

### Foxp3 Methylation Assay Panels

- Quantify methylation levels in Treg signature genes, including Foxp3, CTLA4, IL2RA (CD25)
- Compatible: MS-HRM, tNGBS, and Pyrosequencing

## GET IN TOUCH

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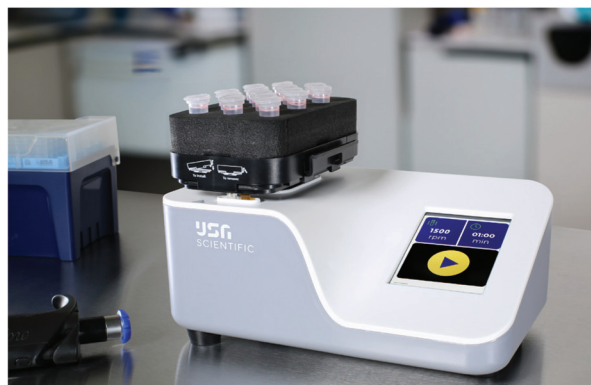
Functionality,  
reimagined.



## The New Vortex Mixer

- Mix and vortex in one compact device
- Precisely set speed and duration controls
- Glove compatible touchscreen
- Quickly vortex tubes with just one touch

The Vortex Mixer is ideally suited for assay protocols that require gentle mixing, all the way up to resuspensions that require vigorous vortexing. Find out more at [usascientific.com/vortex\\_mixer](https://usascientific.com/vortex_mixer).



Schedule a  
demo!

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