

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



duet multiomics solution evoC

What are the benefits of a 6-base genome?

Gather complete information from a single DNA sample:

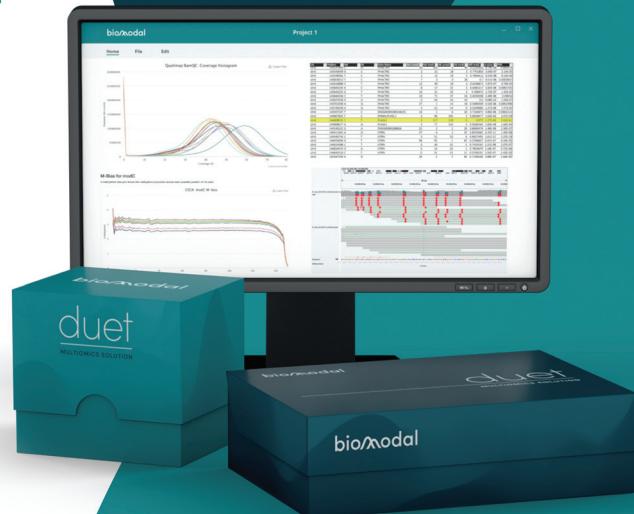
- Combined genome and methylome – A, T, C, G, 5mC, and 5hmC providing a true 6-base genome

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



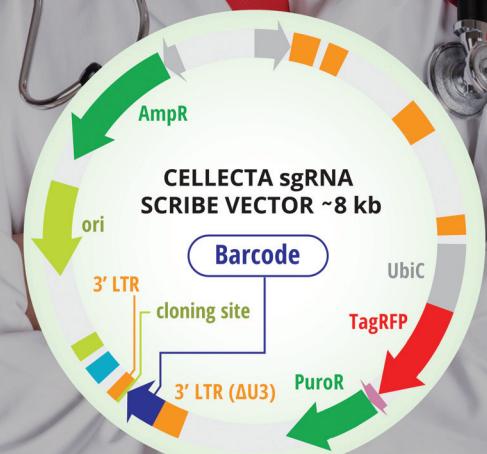


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Who we are

Collecta 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.

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 COLLECTA

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DNA METHYLATION CONTROLS

Keep Your DNA Methylation Experiments in Control

AVAILABLE CONTROLS

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- Methylation Calibration Standards
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DNA METHYLATION ANALYSIS

Targeted Bisulfite NGS (tNGBS)

- Single base-pair resolution
- Provide β -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 $\sim 17\%$ 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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