

BD OMICS-One™ WTA Next Assay

More possibilities. More convenience. More value.

The BD OMICS-One™ WTA Next Assay redefines single-cell RNA-seq on the BD Rhapsody™ Single-Cell Analysis System by delivering unbiased, sensitive transcriptome profiling that captures the complete gene expression landscape without target limitations. By detecting higher numbers of molecules and genes per cell, the BD OMICS-One™ WTA Next Assay reveals subtle expression changes in rare transcripts—enhancing differential expression analysis while providing more comprehensive insights into cellular heterogeneity, state transitions and responses to perturbations in complex sample types.



More Possibilities



3,000+ genes per cell

- Superior sensitivity for rare transcript analysis
- Unbiased detection across the entire transcriptome

Multomics excellence

- Enhanced gene expression analysis with CITE-seq and TCR/BCR
- Significant gene recovery with ATAC-seq

More Convenience



Flexible sample handling

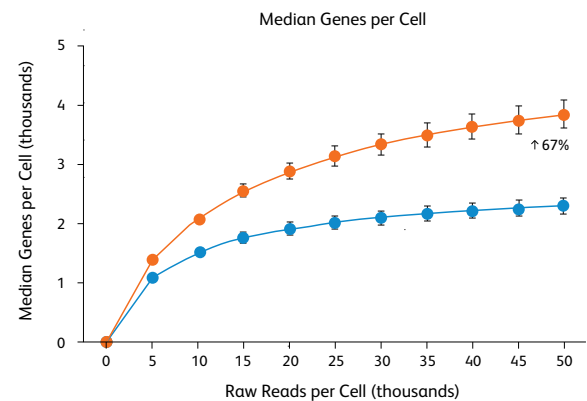
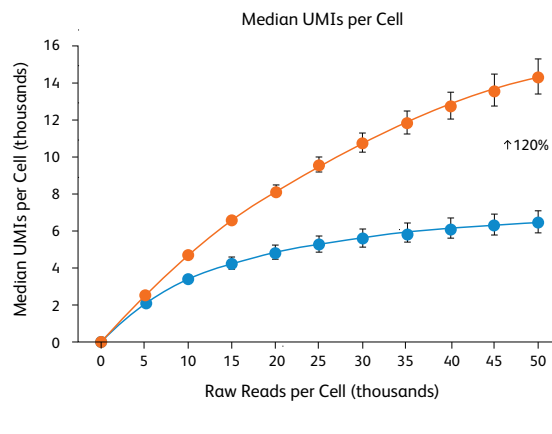
- Fresh processing or 72-hour storage at 4 °C
- Long-term cryopreservation option

Scalable throughput

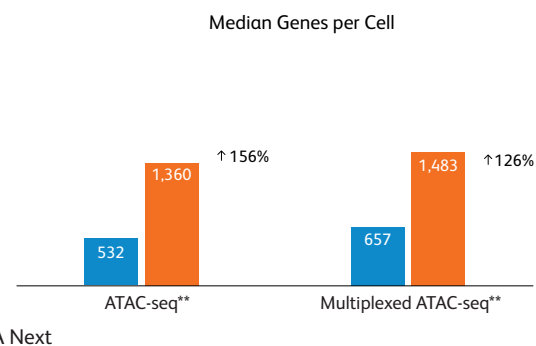
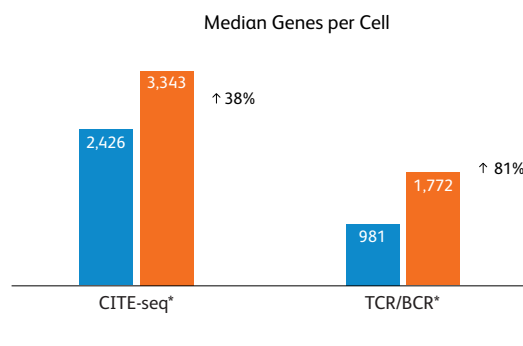
- Process up to 100,000 cells per lane (800,000 cells per cartridge)
- Reliable performance across a wide range of cell inputs

Unlock cellular heterogeneity with precision

The BD OMICS-One™ WTA Next Assay provides superior sensitivity by capturing a significantly higher number of molecules and genes per cell at the same sequencing depth. Performance comparison of the new BD OMICS-One™ WTA Next Assay (WTA Next) vs current BD Rhapsody™ Whole Transcriptome Analysis (WTA) Assay in standalone WTA experiments using PBMC samples from multiple matched donors.



The BD OMICS-One™ WTA Next Assay enhances gene expression analysis across all supported multiomic workflows. Gene recovery comparison between the new BD OMICS-One™ WTA Next Assay (WTA Next) and current BD Rhapsody™ Whole Transcriptome Analysis (WTA) Assay across different multiomics applications using PBMC samples.



*at ~23,000 reads per cell

**at ~25,000 reads per cell

More Value

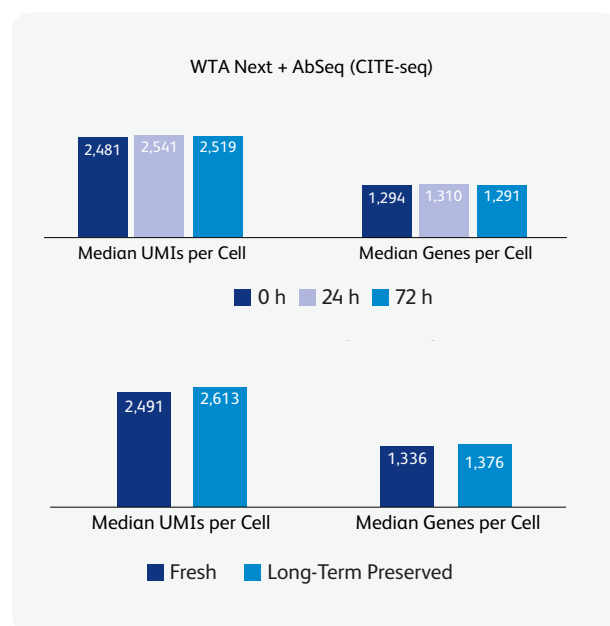
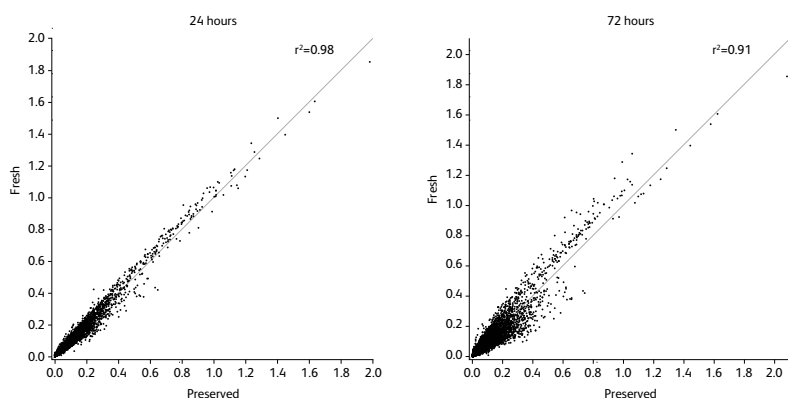


Lower cost per sample

- Better performance at reduced per-sample cost
- Less sequencing depth required for equivalent results

Adapt workflows to your timeline

The BD OMICS-One™ WTA Next Assay allows flexible sample handling, maintaining high performance with both short-term preserved and long-term cryopreserved samples. Performance comparison of fresh, short-term preserved using the BD® OMICS-Guard Sample Preservation Buffer and long-term cryopreserved samples in a CITE-seq workflow using PBMC samples.



Part of a complete single-cell multiomics solution

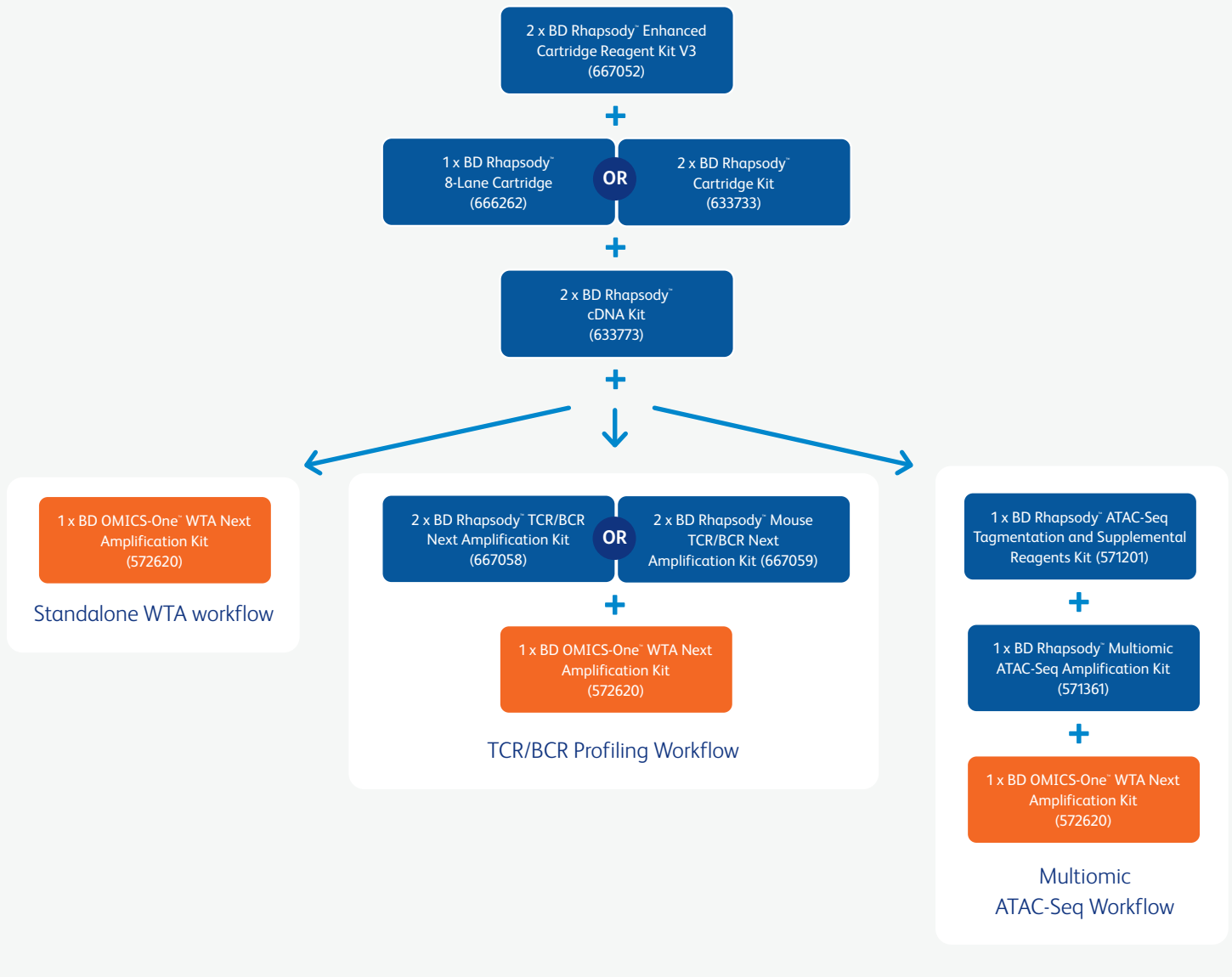
Utilize our expertise and insights for your single-cell experiments. Reach out to your local BD sales representative or contact our help desk at scomix@bd.com to learn more about using the BD OMICS-One™ WTA Next Assay.

Epigenomics Transcriptomics Immune Profiling CITE-Seq Protein Panels Multiomics

Million-Cell Throughput Validated Multiomic Kits and Protocols Simple and Free Bioinformatics

Ordering information for BD OMICS-One™ WTA Next Assay workflows

Reagent kits required for standalone WTA, TCR/BCR profiling and multiomic ATAC-seq workflows. The number in each box indicates the number of kits required to enable eight (8) reactions in total with each workflow. The CITE-seq workflow uses the same reagent kits as the standalone WTA workflow plus BD® AbSeq Reagents, available as individual single-target, antibody-oligonucleotide conjugates or application-focused, lyophilized panels from the BD® OMICS-One Protein Panel portfolio. Visit bdbiosciences.com/omicsonepanels for more information.



Visit bdbiosciences.com/WTANext to learn more.

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