

xGen[®] Dual Index UMI Adapters—Tech Access

Each xGen Dual Index UMI Adapter contains dual, 8- or 10-base indexes (Figure 1) for multiplex sequencing applications (for index sequences, visit www.idtdna.com/UMI-techaccess). The adapters are optimized to mitigate index misassignment of sequencing reads generated on Illumina sequencing instruments. The unique molecular index (UMI) included in each adapter enables detection of rare variants. xGen Dual Index UMI Adapters are particularly suited for genotyping, somatic discovery, and low-frequency-allele detection applications. The adapters allow up to 384 unique dual index combinations and can be further customized to enable greater levels of multiplexing.

xGen Dual Index UMI Adapters are delivered at a concentration of 15 μ M in 30 mM HEPES, pH 7.5; 100 mM potassium acetate.

Note: xGen Dual Index UMI Adapters are used in library preparation for Illumina platforms. The concentration of adapters needed depends on the amount of input DNA and the kit used for library preparation. Please follow the instructions of the library kit manufacturer when using xGen Dual Index UMI Adapters.



Figure 1. xGen Dual Index UMI Adapter.

Shipping, handling, and storage

xGen Dual Index UMI Adapters are shipped on dry ice.

- Upon receipt, immediately store the adapters at -25°C to -15°C .
- Do not heat adapters above room temperature (15 – 25°C).

If dilution is required, Nuclease-Free Duplex Buffer (cat # 11-01-03-01) is recommended.

Thaw adapters before use. Keep adapters cool during use.

For Research Use Only. Not for use in diagnostic procedures.

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