

10×Taq DNA Ligase Reaction Buffer (including NAD⁺)

Product Information

Product name	Cat#	Size
10×Taq DNA Ligase Reaction Buffer (including NAD ⁺)	15823ES08	5 mL
	15823ES50	50 mL

Product Description

Taq DNA Ligase is a thermostable ligase that catalyzes the formation of phosphodiester bonds between the 5'-phosphate and 3'-hydroxyl groups of two adjacent oligonucleotide strands that hybridize to the same complementary target DNA strand. This catalytic reaction occurs only when the two oligonucleotide strands are perfectly paired with the complementary target DNA, and there is no gap between the two oligonucleotide strands. Therefore, it can be used to detect single base substitution. Taq DNA ligase uses NAD⁺ as a coenzyme factor and is active at 45°C-65°C.

10×Taq DNA Ligase Reaction Buffer (including NAD⁺) can be used for all reactions that require Taq DNA Ligase catalysis, and the best enzyme activity can be ensured at 1× concentration.

Product Components

Component number	Components	Cat#/Size	
		15823ES08	15823ES50
15823	10×Taq DNA Ligase Reaction Buffer (including NAD ⁺)	5 mL	50 mL

Shipping and Storage

The product is shipped with ice packs and can be stored at -20°C for one year. Please avoid repeated freeze-thaw. For long-term storage (more than 30 days), the buffer should be stored at -80°C.

Cautions

1. 10×Taq DNA Ligase Buffer contains coenzyme factor NAD⁺, in order to prolong the half-life of NAD⁺, the Buffer should be stored at -80°C.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. This product is for research use ONLY!