



BIOSCIEN

Perfect sequences, every time

Twist Bioscience's high-throughput, silicon-based platform miniaturized the chemistry required for DNA synthesis. This drastically reduces the reaction volumes by a factor of 1,000,000 while increasing throughput by a factor of 1,000. This enables the daily synthesis of thousands of high-quality genes of varying complexities to meet all your DNA needs.

Clonal Genes are made by cloning an insert (synthesized sequence) into a vector (non-synthesized sequence). After synthesis and cloning, we use NGS to verify that the insert is 100% sequence perfect. The figure below showcases an example of an error-free clone. It displays sufficient read depth across the entire plasmid, informing us that no SNPs or indels are present in the final construct.

Specifications

- 0.3 to 5.0 kb cloned into your vector of choice
- Twist Catalog Vectors & Custom Vectors
- 100% sequence perfect, NGS-verified sequences

A A	A A A 1	A 1	A A A 2	A A A 2	2	A
50 ng – 2 µg	10 – 15	5 – 7	✓	–	–	1.6 µg
2 µg – 10 µg	10 – 15	5 – 7	✓	–	–	8.0 µg
10 µg – 100 µg	13 – 20	8 – 12	–	✓	✓	100 µg
100 µg – 1 mg	13 – 20	8 – 12	–	✓	✓	500 µg

¹Turnaround time is rg Veeeces Tw -0.9 9 0 ISq 1 0 0 1 3 229.171a0 Tcys

*Turnaround time for Express Genes starts at 5 – 7 business days and standard Clonal Genes starts at 10 – 15 business days. Turnaround time increases with select options and 10 µg – 100 µg and 100 µg – 1 mg DNA Prep Scales.

Get in touch at sales@twistbioscience.com or learn more at twistbioscience.com

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