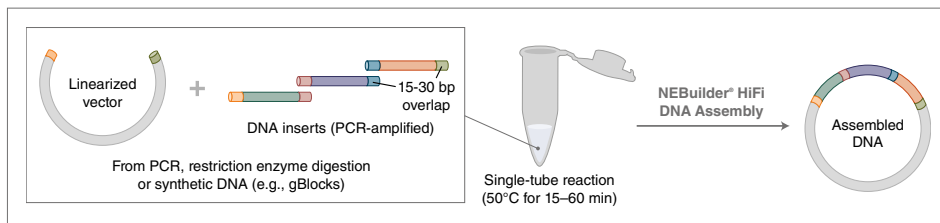


Clone with Confidence



NEBuilder HiFi DNA Assembly

NEBuilder HiFi DNA Assembly enables virtually error-free joining of DNA fragments, even those with 5'- and 3'-end mismatches. Available with and without competent *E. coli*, this flexible kit enables simple and fast seamless cloning, utilizing a new proprietary high-fidelity polymerase. Find out why NEBuilder HiFi is the next generation of DNA assembly and cloning.



Ordering Information

PRODUCT	NEB #	SIZE
NEBuilder HiFi DNA Assembly Master Mix	E2621S/L/X	10/50/250 rxns
NEBuilder HiFi DNA Assembly Cloning Kit	E5520S	10 rxns
NEBuilder HiFi DNA Assembly Bundle for Large Fragments	E2623S	20 rxns

Advantages

- Enjoy simple and fast seamless cloning in as little as 15 minutes.
- Use one system for both „standard-size“ cloning and larger gene assembly products, up to 12 fragments.
- DNA can be used immediately for transformation or as template for PCR or RCA.
- Adapts easily for multiple DNA manipulations, including site-directed mutagenesis.
- No licensing fees from NEB for NEBuilder products.

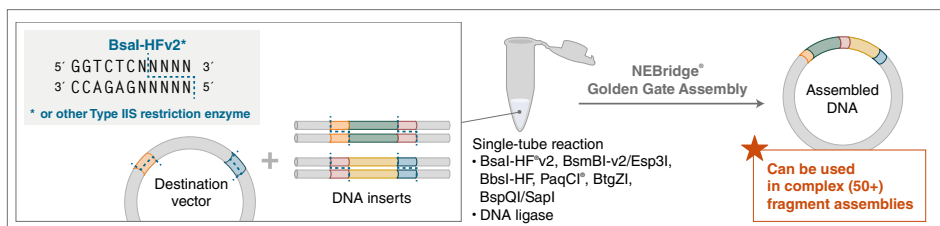


Explore the wise choice at
nebuilder.neb.com

NEBridge Golden Gate Assembly

Golden Gate Assembly is a molecular DNA assembly technique that utilizes simultaneous digestion with Type II restriction enzymes (which cleave outside their non-palindromic recognition sequence) and ligation by a DNA ligase to enable the scarless, ordered assembly of multiple fragments.

With constant advances in both the development of new enzymes, tools and research on maximizing enzyme functionality (e.g., ligase fidelity), NEB is the industry leader in pushing the limits of Golden Gate Assembly and related methods.



Ordering Information

PRODUCT	NEB #	SIZE
NEBridge Golden Gate Assembly Kit (BsmBI-v2)	E1602S/L	20/100 rxns
NEBridge Golden Gate Assembly Kit (Bsal-HFv2)	E1601S/L	20/100 rxns
NEBridge Ligase Master Mix	M1100S/L	50/250 rxns

Advantages

- Assemble multiple fragments (2–50+) in order, in a single reaction.
- Perform single insert cloning in just 5 minutes using our fast protocols.
- Use with a broad range of fragment sizes (<100 bp to >15 kb).
- Experience high efficiency, even with regions of high GC content and areas of repeats.
- Clone seamlessly, with no scars remaining after assembly.
- Generate libraries with high efficiencies.



Get started designing primers at
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