Twist Fast Hybridization and Wash Kit

Choose to take your sample to the sequencer in a single day

KEY BENEFITS

Dramatic Time Savings

- Hybridization in as little as 15 minutes
- Streamlined, automatable workflow can be completed in 5–8 hours, including library preparation
- Sample to sequencer in a single day

Optimum Coverage and Unmatched Flexibility

- Delivers excellent uniformity and increased on-target rates
- Hybridization times can be adjusted to optimize performance
- Fully automatable

Perfect your Custom Content Faster

- Fewer iterations to final design
- Faster turnaround time from pilot to production

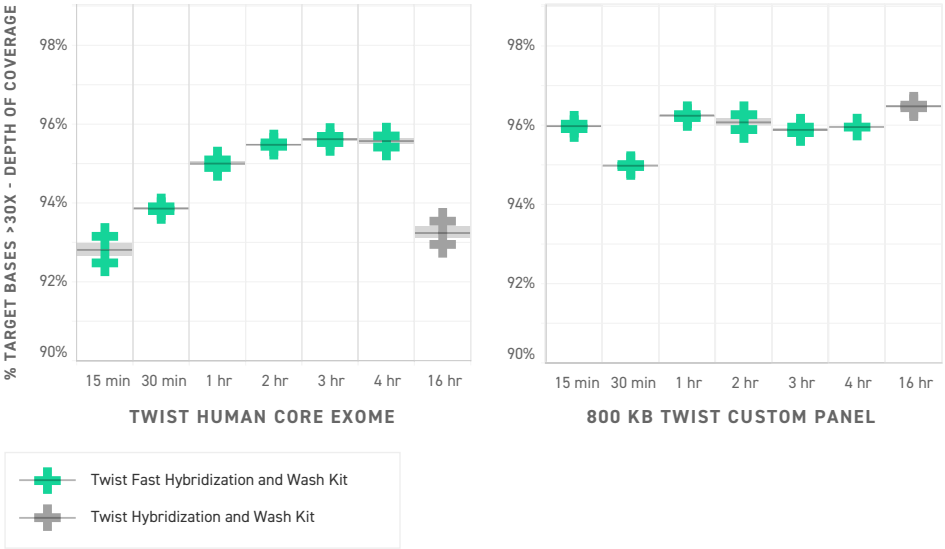
Twist's Fast Hybridization and Wash Kit is a revolutionary new system with the flexibility to both save you time and improve the performance of your targeted sequencing efforts. It accommodates your samples, your schedule, and your performance needs: accelerate hybridization to as little as 15 minutes, or adjust the hybridization time to improve coverage for all targeted sequencing applications, including whole exome, custom panels, spike-ins, or multiplex enrichment.

Balance Workflow and Performance Needs with Maximum Confidence

As demonstrated with the Twist Human Core Exome Kit:

- The 15-minute hybridization yields the same excellent performance (depth of coverage) previously achieved with overnight hybridization
- Longer 1–4 hour hybridizations in the Twist Fast Hybridization Solution improve performance

This allows you to adjust the hybridization time as needed to balance your workflow and performance needs.

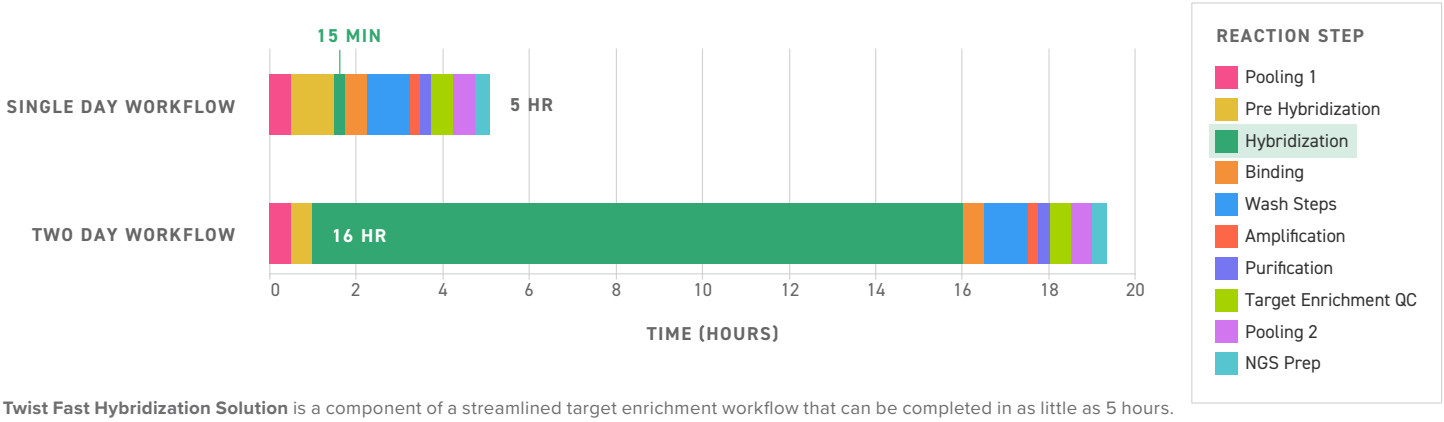


Depth of coverage achieved (% target bases at 30x) with various hybridization times. Genomic DNA (NA12878, Corriell) was hybridized and captured using either the Twist Human Core Exome (33.1 Mb) or an 800 kb Twist Custom Panel. Following sequencing, Picard HS_Metric tools (Pct_Target_Bases_30X) with default values were used for sequence analysis. Data were downsampled to 150x raw coverage of targeted bases for evaluation. Note that with both panels a 15-minute hybridization in Twist Fast Hybridization Solution produces an equivalent performance to the 16-hour hybridization using the standard Twist Hybridization and Wash Kit, and increasing hybridization times improves performance over the standard protocol.

Rapid, Streamlined, and Automatable Workflow

Twist has engineered the Fast Hybridization Solution to provide the excellent performance of its standard protocol in as little as 15 minutes. This quick hybridization is accompanied by a streamlined target enrichment workflow that can be completed in 5–8 hours (including time for library preparation), taking you from sample to sequencer within the same day.

The Fast Hybridization Solution workflow involves a single-tube dry-down and is fully automatable to accommodate high-throughput applications.



Twist Fast Hybridization Solution is a component of a streamlined target enrichment workflow that can be completed in as little as 5 hours.

Twist Fast Hybridization Solution is a component of the Twist portfolio of products for NGS Target Enrichment. Learn more at **twistbioscience.com/ngs**.

Contact Twist Bioscience at **sales@twistbioscience.com** for more information.

ORDERING INFORMATION

101278
Twist Fast Hybridization and Wash Kit, 2 Reactions

101174
Twist Fast Hybridization and Wash Kit, 12 Reactions

101175
Twist Fast Hybridization and Wash Kit, 96 Reactions

116616
Twist Fast Hybridization and Wash Kit with TrueAmp Mix, 12 reactions

116617
Twist Fast Hybridization and Wash Kit with TrueAmp Mix, 96 reactions

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