

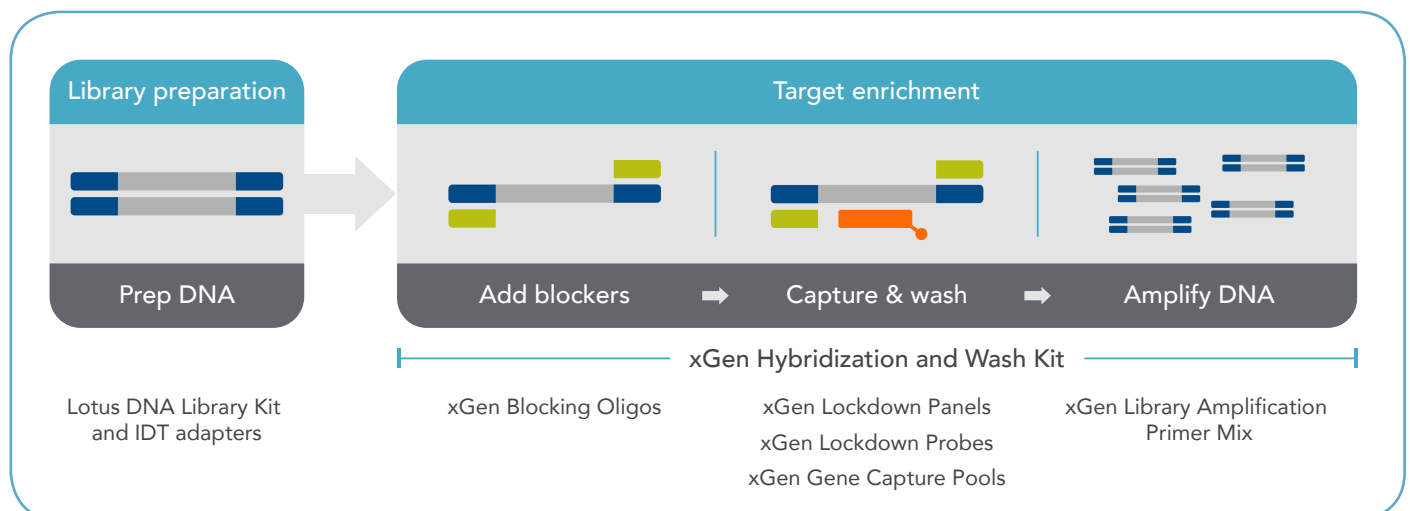
Improved target capture workflow

Accelerate your NGS studies with our xGen Hybridization and Wash Kit and protocol



The xGen Hybridization and Wash Kit has been developed to work with xGen Lockdown Probes and Panels and xGen Blocking Oligos for a complete, high quality target enrichment solution. This hybridization capture workflow is compatible with DNA libraries prepared using any traditional ligation-based methods, such as TruSeq® and Nextera® DNA library preparation kits (Illumina).

xGen NGS target capture workflow



next generation sequencing

Kit contents	xGen Hybridization and Wash Kit (new kit)	xGen Lockdown Reagents (legacy kit)
2X Hybridization Buffer	✓	✓
Hybridization Buffer Enhancer	✓	✓
2X Bead Wash Buffer	✓	✓
10X Wash Buffer I	✓	✓
10X Wash Buffer II	✓	✓
10X Wash Buffer III	✓	✓
10X Stringent Wash Buffer	✓	✓
Dynabeads™ M-270 Streptavidin	✓	
Human Cot DNA	✓	
Supported workflows		
Manual, tube-based	✓	✓
Manual, plate-based	✓	
Optimized for automation	✓	

The xGen Hybridization and Wash Kit replaces IDT's legacy xGen Lockdown Reagents. This expanded kit is now comprehensive—it takes you from beginning to end of the entire hybridization capture workflow. A newly optimized protocol, the **xGen hybridization capture of DNA libraries**, provides support for both 96-well plate and individual tube formats. An automated NGS target enrichment protocol is also available for high-throughput labs with liquid handling instruments.

Realize a potential 30%* savings in overall consumable reagent cost using the new xGen Hybridization and Wash Kit, compared with the previous legacy kit.

Ordering information

Product	Size	Catalog #
xGen Hybridization and Wash Kit	16 reactions	1080577
	96 reactions	1080584
Related products		
xGen Library Amplification Primer Mix	16 reactions	1077675
	96 reactions	1077676
	192 reactions	1077677
Lotus DNA Library Prep Kit	16 rxn	10001073
	96 rxn	10001074
(Recommended) IDT adapters	Varies	www.idtdna.com/NGS-adapters

* 30% cost savings based on previous xGen Lockdown Reagent workflow and purchasing recommended, third-party reagents at list price.

Discover more at www.idtdna.com/hybwashkit

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

© 2019 Integrated DNA Technologies, Inc. All rights reserved. Lockdown and xGen are trademarks of Integrated DNA Technologies, Inc., and are registered in the USA. Dynabeads is a trademark of Thermo Fisher Scientific. All other marks are the property of their respective owners. For specific trademark and licensing information, see www.idtdna.com/trademarks. NGS-10111-FL 07/19

