

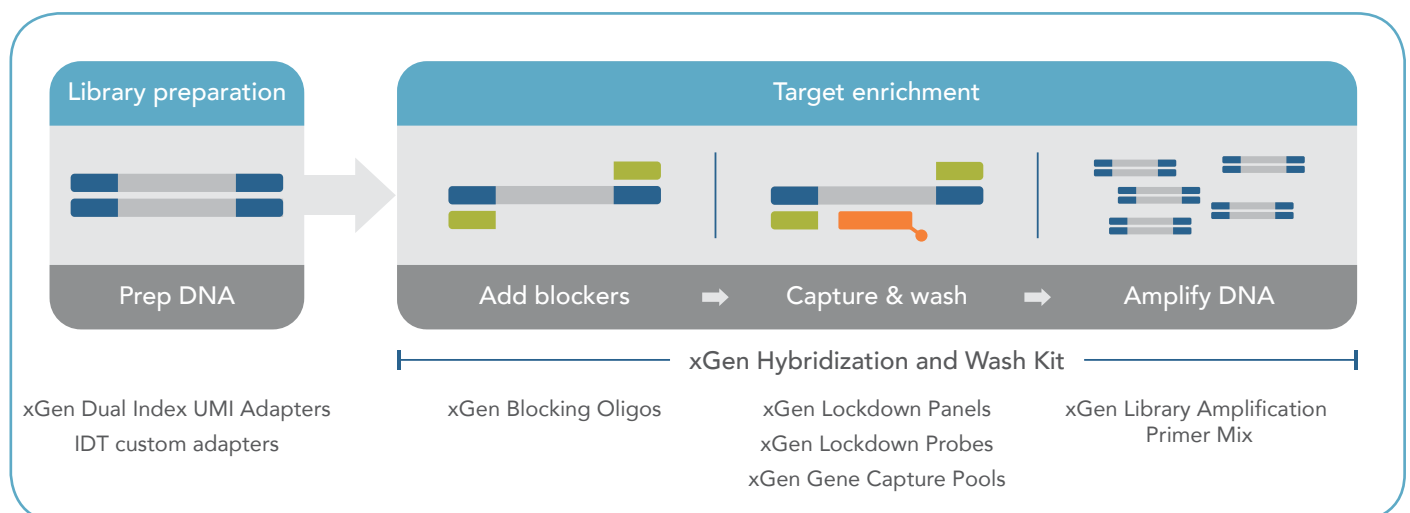
Improved target capture workflow

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	Unit size	Catalog #
xGen Hybridization and Wash Kit	16 reactions	1080577
	96 reactions	1080584

Related products	Unit size	Catalog #
xGen Library Amplification Primer Mix	16 reactions	1077675
	96 reactions	1077676
	192 reactions	1077677

* 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.

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