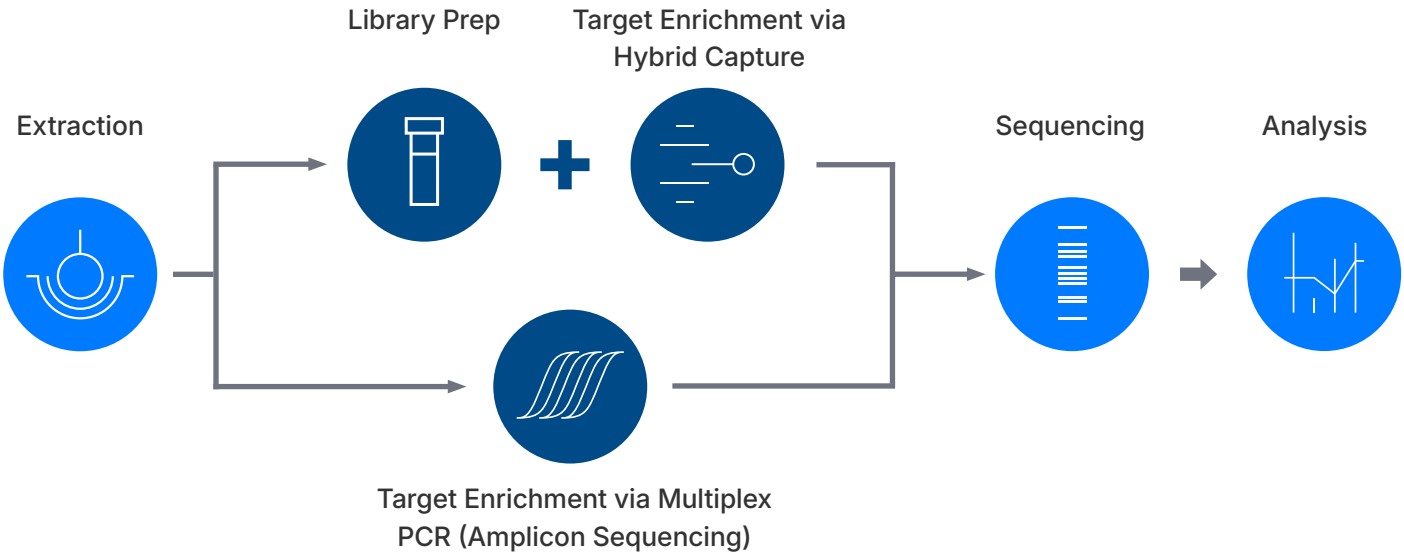
xGen™ Next Generation Sequencing (NGS) Portfolio



Library prep

DNA Library Preparation

- xGen cfDNA & FFPE DNA Library Prep Kit
- xGen ssDNA & Low-input DNA Library Prep
- xGen DNA Library Prep Kit EZ or MC
- xGen DNA Library Prep Kit EZ UNI or MC UNI

RNA Library Preparation

- xGen RNA Library Prep Kit
- xGen Broad-Range RNA Library Prep Kit

Methyl-Seq DNA Library Preparation

- xGen Methyl-Seq Library Prep Kit
- xGen Adaptase Module

Adapters & Indexing Primers

- Up to 1536 UDIs

Hybrid capture

Custom Hyb Panels

Pre-Designed Hyb Panels

- xGen MRD Hyb Panel
- xGen Exome Hyb Panel v2
- xGenAML Cancer Hyb Panel
- xGenInherited Diseases Hyb Panel
- xGenHuman mtDNA Hyb Panel
- xGenCNV Backbone Hyb Panel
- xGenPan-Cancer Hyb Panel
- xGenHuman ID Hyb Panel
- xGen SARS-CoV-2 Hyb Panel

xGen Hybridization Capture Core Reagents

Amplicon sequencing

Custom Amplicon Panels

Pre-Designed Amplicon Panels

- xGen SARS-CoV-2 Amplicon Panel
- xGen Oncology & Inherited Disease Amplicon Panels
- xGen Monkeypox Virus Amplicon Panel
- xGen Metagenomics Amplicon Panels
- xGen Human Sample ID Amplicon Panel
- xGen Respiratory Virus Amplicon Panel
- xGen HS EGFR Pathway Amplicon Panel
- xGen SARS-CoV-2 Amplicon Panel

Pre-Designed Amplicon Panels

- SARS-CoV-2 ARTIC Amplicon Panel
- SARS-CoV-2 Midnight Amplicon Panel

Library normalization

Normalase™ Technology

- xGen Normalase Module
- xGen Pre-hyb Capture Normalase Module
- xGen Normalase UDI Primers
- xGen Normalase CDI Primers

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IDT™ INTEGRATED DNA TECHNOLOGIES

Archer™ NGS Assays



Assay design	Extraction	Library prep	Sequencing	Variant calling
Assay Marketplace Assay Designer Designer Pro		FUSION*Plex*™ VARIANT*Plex*™ LIQUID*Plex*™ IMMUNO*Verse*™		Archer Analysis

Assay design

Assay Marketplace

- Web-based design tool
- Predesigned and functionally tested primers
- Fastest turnaround

Assay Designer Service

- Consultation with an expert designer
- Includes *de novo* primers and *in silico* design review

Designer Pro Service

- Highest level service
- Includes wet-lab optimization

Library prep

Solid tumor panels

- VARIANT*Plex* Complete Solid Tumor v2
- VARIANT*Plex* Pan Solid Tumor v2
- VARIANT*Plex* HRD Module
- VARIANT*Plex* Expanded Solid Tumor
- VARIANT*Plex* Core Solid Tumor
- FUSION*Plex* Pan Solid Tumor v2
- FUSION*Plex* Core Solid Tumor v2
- FUSION*Plex* Lung v2
- FUSION*Plex* Sarcoma v2
- LIQUID*Plex* Universal Solid Tumor

Solid tumor & blood cancer panel

- VARIANT*Plex* Comprehensive Tissue and Blood

Blood cancer panels

- VARIANT*Plex* Myeloid
- VARIANT*Plex* Myeloid v2
- VARIANT*Plex* Core Myeloid
- VARIANT*Plex* AML Focus
- VARIANT*Plex* MPN Focus
- VARIANT*Plex* Lymphoma
- FUSION*Plex* Pan-Heme
- FUSION*Plex* Pan-Heme v2
- FUSION*Plex* Heme v2
- FUSION*Plex* Heme v3
- FUSION*Plex* Myeloid
- FUSION*Plex* ALL
- FUSION*Plex* Lymphoma

Genetic disease panels

- VARIANT*Plex* Expanded Carrier
- VARIANT*Plex CFTR* v2

Immune profiling panels

- IMMUNO*Verse* TCR
- IMMUNO*Verse* BCR

Variant calling

Archer Analysis

- Easy-to-use data analysis platform with optimized bioinformatics workflows
- Supports all Archer assays and enables a broad range of applications
- Available as a private-cloud hosted service, or as a virtual machine for local deployments

Customize panel content or design from scratch with assay design services. For more information, visit **idtdna.com/ArcherConsultation.**

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