



## 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
  - xGen AML Cancer Hyb Panel
  - xGen Inherited Diseases Hyb Panel
  - xGen Human mtDNA Hyb Panel
  - xGen CNV Backbone Hyb Panel
  - xGen Pan-Cancer Hyb Panel
  - xGen Human 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 Primers**
  - 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

## Variant analysis & annotation

- **Molecular Health tertiary analysis**
  - MH Guide CAS variant annotation and report software is designed for easy-to-use tertiary analysis
  - Maximize efficiency and streamline genomic data workflow



## 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

- VARIANTPlex Complete Solid Tumor v2
- VARIANTPlex Pan Solid Tumor v2
- VARIANTPlex HRD Module
- VARIANTPlex Expanded Solid Tumor
- VARIANTPlex Core Solid Tumor
- FUSIONPlex Pan Solid Tumor v2
- FUSIONPlex Core Solid Tumor v2
- FUSIONPlex Lung v2
- FUSIONPlex Sarcoma v2
- LIQUIDPlex Universal Solid Tumor

### Solid tumor and blood cancer panel

- VARIANTPlex Comprehensive Tissue and Blood

### Blood cancer panels

- VARIANTPlex Myeloid
- VARIANTPlex Core Myeloid
- VARIANTPlex AML Focus
- VARIANTPlex MPN Focus
- VARIANTPlex Lymphoma
- FUSIONPlex Pan-Heme
- FUSIONPlex Heme v2
- FUSIONPlex Myeloid
- FUSIONPlex ALL
- FUSIONPlex Lymphoma

### Genetic disease panels

- VARIANTPlex Expanded Carrier
- VARIANTPlex CFTR v2

### Immune profiling panels

- IMMUNOVERse TCR
- IMMUNOVERse 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

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