

# Genomics Workflow

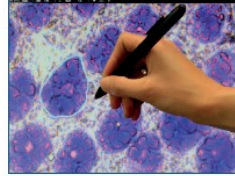
## 1 - Sample Isolation

PromoCell



For Cell sample.

MMI



For Cell and tissue sample.

NEXT ADVANCE



For Cell, tissue, blood, plant and clay sample.

## 2 - Nucleic Acid Extraction

Covaris



MN  
MACHEREY-NAGEL



## 3 - DNA Shearing

(For whole genome sequencing only)

Covaris



GENESPEED



## 4 - Quality / Quantity Control

Agilent Technologies



BioTek



ThermoFisher SCIENTIFIC



## Next Generation Sequencing

### Short Read Platform

GenapSys



- Targeted sequencing
- Small genome sequencing
- Targeted RNA sequencing
- Spatial Transcriptomics

### Long Read Platform

#### Size-selection Instrument

sage science



PACBIO



bionano GENOMICS



- Optical mapping for SV detection and genome assembly

- Whole Genome sequencing
- Targeted sequencing
- RNA sequencing
- Complex population study

## Real-time PCR

### qPCR Instrument

Agilent Technologies



- Quantitative and qualitative gene expression analysis

MyGo



- HRM analysis
- Spatial Transcriptomics

### Probes and Master Mix

BIOSEARCH TECHNOLOGIES

PRIMER DESIGN

biotechrabbit

## Microarray

applied biosystems  
by Thermo Fisher Scientific



- Genotyping analysis
- Gene expression profiling
- Spatial Transcriptomics



Gene Company Limited  
基因有限公司

TEL (852) 2896 6283  
FAX (852) 2515 9371

WEB www.genehk.com/  
EMAIL sales@genehk.com

