GENETRON 泛生子
ANSWERS FOR CANCER

Genetron Holdings Limited

(Nasdaq: GTH)

1Q 2022 Financial Results

June 2022

Disclaimer

GENETRON泛生子
ANSWERS FOR CANCER

The following presentation has been prepared by Genetron Holdings Limited ("Genetron Health" or the "Company") solely for informational purposes and should not be construed to be, directly or indirectly, in whole or in part, an offer to buy or sell and/or an invitation and/or a recommendation and/or a solicitation of an offer to buy or sell any security or instrument or to participate in any investment or trading strategy, nor shall any part of it form the basis of, or be relied on in connection with, any contract or investment decision in relation to any securities or otherwise. This presentation does not contain all relevant information relating to the Company or its securities, particularly with respect to the risks and special considerations involved with an investment in the securities of the Company. Nothing contained in this document shall be relied upon as a promise or representation as to the past or future performance of the Company. Past performance does not guarantee or predict future performance. You acknowledge that any assessment of the Company that may be made by you will be independent of this document and that you will be solely responsible for your own assessment of the market and the market position of the Company and that you will conduct your own analysis and be solely responsible for forming your own view of the potential future performance of the business of the Company.

This document contains certain statements that constitute forward-looking statements within the meaning of Section 27A of the Securities Act of 1953, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, with respect to the Company's future financial or business performance, strategies or expectations. These statements typically contain words such as "believe," "may," "will," "could," "expects" and "anticipates" and words of similar import. Any statement in this document that is not a statement of historical fact is a forward-looking statement and involves known and unknown risks, uncertainties and other factors which may cause the Company's actual results, performance or achievements to be materially different from any future results, performances or achievements expressed or implied by such forward-looking statements. There can be no assurance that the results and events contemplated by the forward looking statements contained herein will in fact occur. None of the future projections, expectations, estimates or prospects in this document should be taken as forecasts or promises nor should they be taken as implying any indication, assurance or guarantee that the assumptions on which such future projections, expectations, estimates or prospects have been prepared are correct or exhaustive or, in the case of assumptions, fully stated in the document. The Company also cautions that forward-looking statements are subject to numerous assumptions, risks and uncertainties, which change over time and which may be beyond the Company's control. The Company assumes no duty to and does not undertake to update any forward-looking statements to reflect actual results, changes in assumptions or changes in factors affecting these statements. Factors that may materially affect our results and those risks listed in filings with the Securities and Exchange Commission.

This document also contains non-IFRS financial measures, the presentation of which is not intended to be considered in isolation or as a substitute for the financial information prepared and presented in accordance with International Financial Reporting Standards. In addition, the Company's calculation of these non-IFRS financial measures may be different from the calculation used by other companies, and therefore comparability may be limited. The reconciliation of those measures to the most comparable IFRS measures is contained within this document or available at our website http://ir.genetronhealth.com.

This document speaks as of June 2, 2022. Neither the delivery of this document nor any further discussions of the Company with any of the recipients shall, under any circumstances, create any implication that there has been no change in the affairs of the Company since that date.

Leading Precision Oncology Company in China

GENETRON 泛生子
ANSWERS FOR CANCER

TAM: Diagnosis & Monitoring

LDT + IVD

Diagnosis: $6.7B[1]
MRD: $14B[2]

LDT – Top player covering 500+ hospitals

IVD – 7 products approved;
S5 + Lung 8 NGS solution

MRD partnerships in blood and solid tumors

AstraZeneca FOSUN PHARMA 复星医药

Biopharma Services

Biotech Industry: $0.5B[1]

High growth Chinese biotech industry

#1 Ranking: 64 total biopharma partners

CDx demand is growing as NMPA increases focus on genomic testing for innovative drugs

基石药业 CSTONE PHARMACEUTICALS HUTCHMED

TAM: Early Screening

Liver cancer: $7.2B[1]
CRC cancer: $23.0B[1]
Lung cancer: $5.8B[1]

HCCscreen™ –
- FDA breakthrough device designation (NGS)
- Leading prospective data
- Commercialization roadmap

HCCscan™ –
- PCR-based assay expands market opportunity leveraging existing customer capabilities

Multi-cancer development with innovative technology in liquid biopsy

Our Proprietary Technology: One-step Seq, Mutation Capsules

1. Frost & Sullivan, Market potential in China as of 2023
2. Euromonitor, Globalcan, Company internal estimates market potential

Table of Contents

1Q 2022 Events Recap

GENETRON 泛生子
ANSWERS FOR CANCER

Revenue growth with strong in-hospital sales momentum

- In 1Q2022, total revenue was RMB 110.3 million, representing 19.8% yoy growth
  - Revenue from LDT services increased by 13.5% yoy to RMB 81.5 million
  - Revenue from IVD products increased by 18.1% yoy to RMB 18.0 million. Ended 1Q with 33 IVD contracts
  - Revenue from development services increased by 117.2% yoy to RMB 10.8 million

Early-screening business with first-mover advantage

- Successfully launched HCC early screening test in China, broadened registrational strategy –
  - HCCscan™ (PCR assay) – 5 clinical sites started patient enrollment
  - HCCscreen™ (NGS assay) – reported data from large-scale prospective study, registration trial enrollment to begin in 3Q2022

Leading position in MRD, CDx and others

MRD:
- Seq-MRD® detection kit for hematologic cancers has received CE Mark and started clinical launch
- Publication in *Clinical and Translational Medicine,* demonstrated Mutation Capsule™'s potential in MRD assay developments

CDx:
- HUTCHMED: ORPATHYS® for NSCLC in China, using 8-gene lung cancer assay
- Cstone: AYVAKIT® in China, which has entered the NMPA priority review process
- Received CE mark for FusionScan Plus, which uses integrated DNA and RNA as templates for genetic alteration detection

Others:
- AACR 2022: presented 17 new research results from joint studies with 20+ leading hospitals in China, including "One-step Seq" technology, core products such as Onco PanScan™ and Onco PanScan plus™

Liver cancer early screening tests development plan

GENETRON 泛生子
ANSWERS FOR CANCER

	Assay development	Clinical validation	Product launch
HCCscreen	• Multi-omics NGS assay powered by innovative and proprietary Mutation Capsule Technology • U.S. FDA Breakthrough Device Designation	• Mar 2019, China's first prospective (331 HBsAg+ patient cohort) and peer-reviewed study on HCC early screening PNAS • Mar 2021, investigational study (the "HIT" study) data readout: superior sensitivity and comparable specificity versus stand-of-care • Initiation of HCCscreen registrational trial in 2022 • Ongoing U.S confirmatory study	• LDT partnership with iKang Group to cover 100+ health check centers • Collaboration with local government for public health initiatives (Wuxi and Dafang) • Collaboration with digital health platforms and pharma partners • Lab co-development within hospitals
HCCscan	• PCR-based multi-methylation marker assay	• HCCscan registrational trial initiated in 4Q21 • 5 sites already started	

Solid-tumor MRD development plan

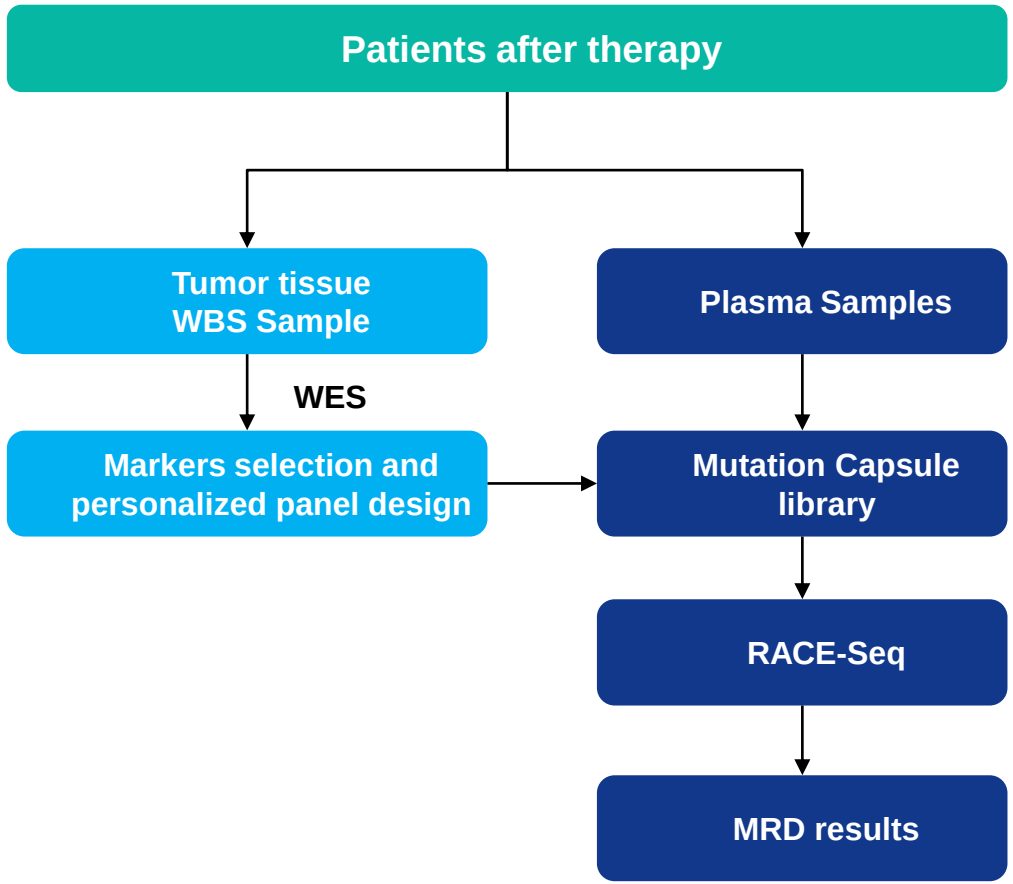
GENETRON 泛生子
ANSWERS FOR CANCER

	Assay development	Analytical validation	Clinical validation	Product launch
Tumor-informed	Completed prototype assay development using Mutation Capsule technology	***Journal of Hematology & Oncology 2021***: detect 0.001% tumor DNA from peritoneal lavage fluid samples (**gastric cancer**)	• Comparing personalized and fixed panel MRD strategies in **LARC**: published in ***EBioMedicine 2022*** • Comparing personalized and fixed panel based MRD strategies in **HCC**: **Publication accepted**	• Assay optimization with AstraZeneca ongoing, completion by end of 2022 • Pilot **LDT launch in Q2 2022** and official launch before year end 2022
Tumor-naïve	Evaluating the performance of different types of biomarkers for fixed panel MRD strategy, including mutation, fragmentation, methylation, etc, leveraging on Mutation Capsule's parallel profiling feature from one single sample			

GENETRON 泛生子 X AstraZeneca

- Co-development for a personalized MRD assay for various solid tumor types in China
- This approach may help in the clinical management of patients far before metastatic lesions grow to significant size that detectable by conventional methods such as MRI and CT scanning
- AZ will incorporate the co-developed assay for China-specific studies.
- First step of a multi-year, exclusive LT partnership. Room to expand to IVD and commercialization

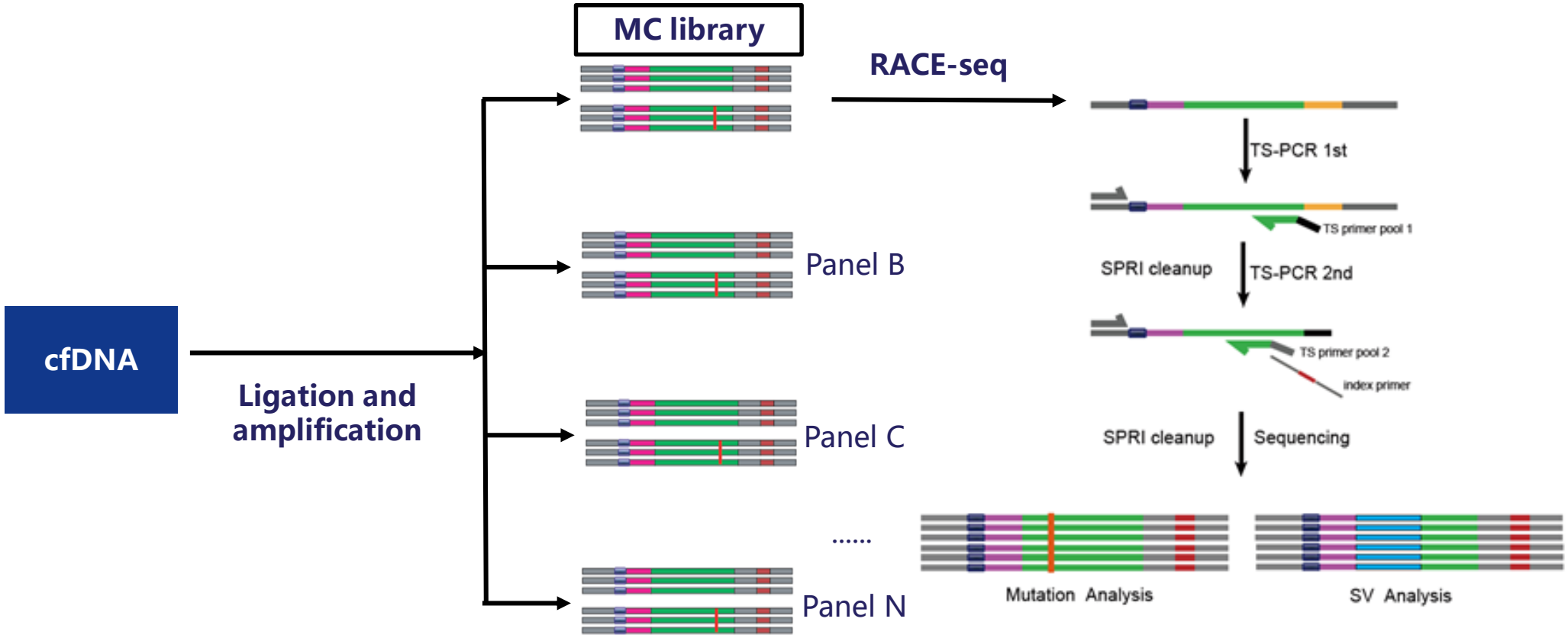
Tumor-informed MRD Workflow



Methodology

- Select mutation markers based on WES of tumor tissue, design personalized panel for subsequent blood-based ctDNA testing
- **Advantage**: maximize performance, avoid false positive and false negative as much as possible
- **Disadvantage**: high cost, long design process and require tumor tissue sample

Advantage of Mutation Capsule in Solid-tumor MRD



Tumor-informed MRD

- Almost 100% success rate for personalized panel design from WES on the first try
- Support multiple tests from one single sample, therefore significantly reduces panel validation time

Tumor-naïve MRD

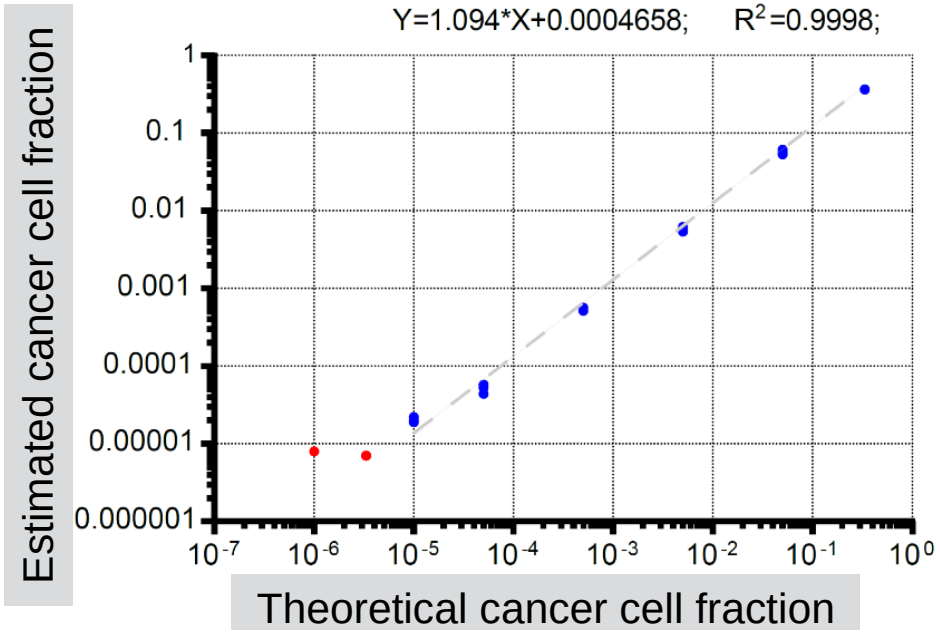
- Support different types of biomarkers for tumor-naïve MRD panel design, including mutation, methylation, fragmentation etc.
- Support head-to-head comparison of tumor-naïve MRD panels with personalized MRD panel

Tumor-informed MRD: Analytical Validation in Gastric Cancer

GENETRON 泛生子
ANSWERS FOR CANCER

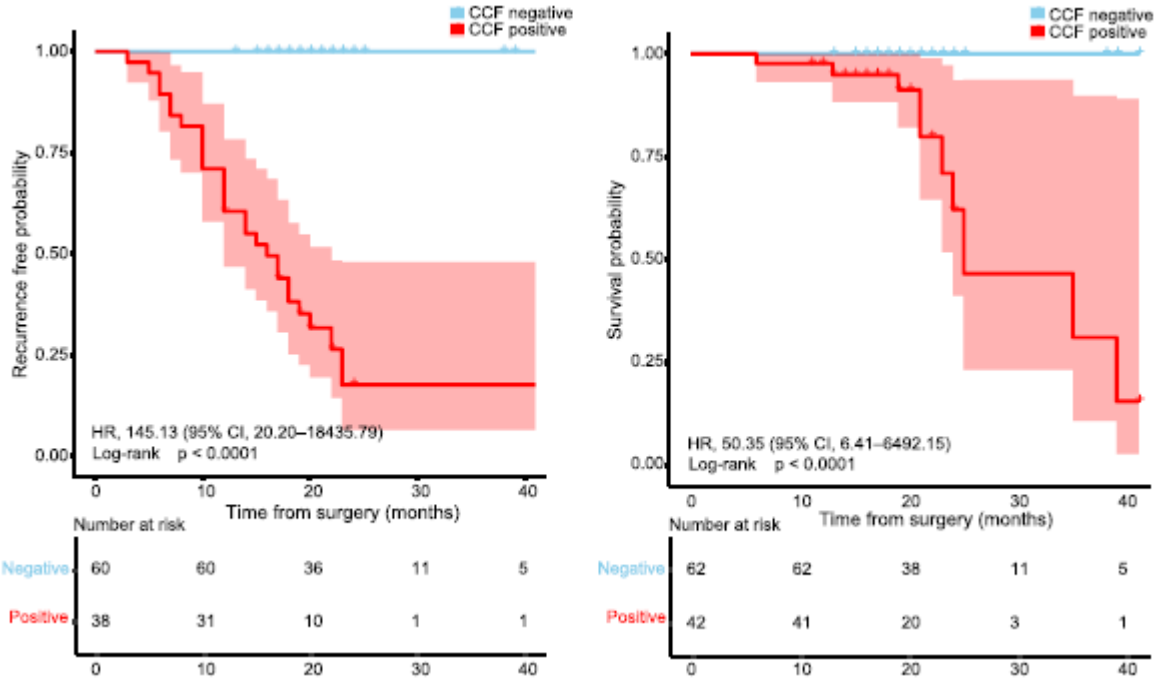
Validated ctDNA fraction model

- A mutation-based personalized MRD assay was developed to detect residual cancer cells from peritoneal lavage fluid
- Exhibited high sensitives with strong linear correlation between theoretical and estimated cancer cell dilution ratios up to 0.001%



Analytical validation in gastric cancer

- In a prospective cohort of 104 Gastric cancer (GC) patients, the MRD assay detected all the cases that developed peritoneal dissemination (PD) with 100% sensitivity and 85% specificity
- MRD-positive patients were associated with decreased recurrence free survival (RFS) and overall survival



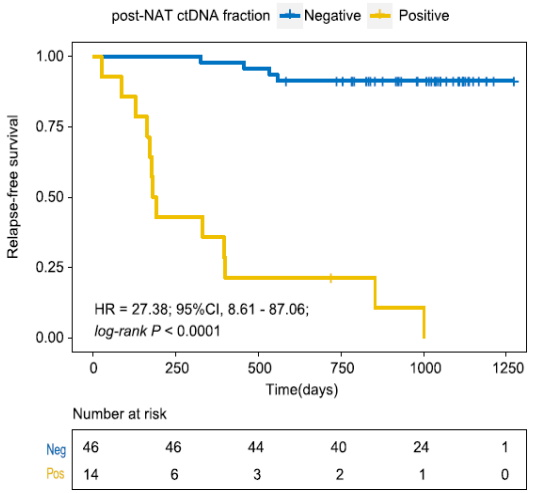
Zhao, D., Yue, P., Wang, T. et al. *J Hematol Oncol* 14, 164 (2021).

Tumor-informed MRD: Clinical Validation

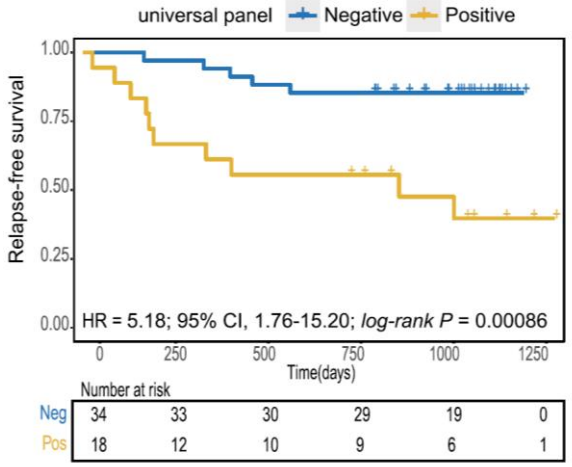
GENETRON 泛生子
ANSWERS FOR CANCER

Head-to-head comparison between personalized and non-personalized assays in rectal cancer patients

Personalized panel



Fixed panel

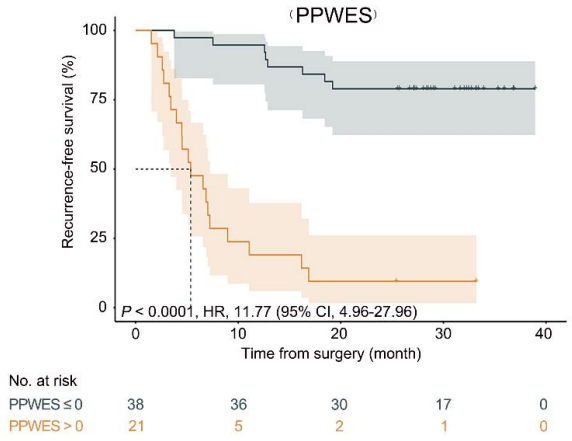


Published on EBioMedicine

Head-to-head comparison between personalized and non-personalized assays in HCC patients

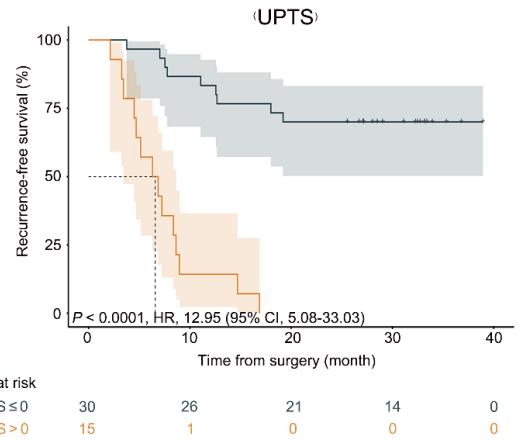
Personalized panel

HR=12; P<0.0001



Fixed panel

HR=13, P<0.0001



Published on Clinical and Translational Medicine

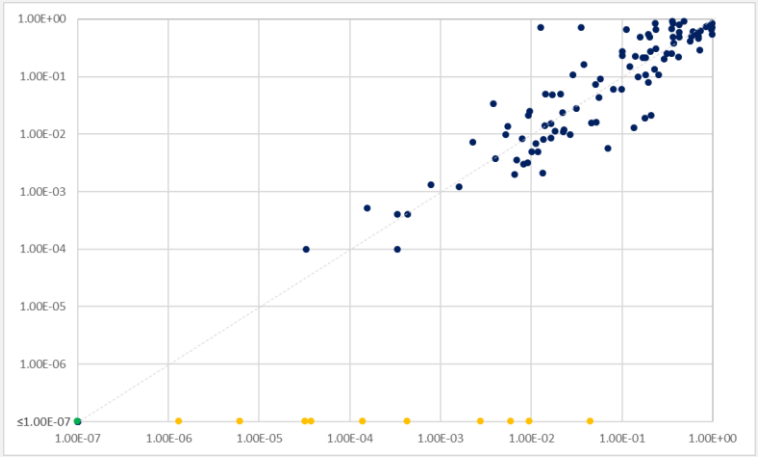
Seq-MRD® for Hematologic Cancer

GENETRON 泛生子
ANSWERS FOR CANCER

Enabled by One-step Seq + fully automated bioinformatics solutions

Higher sensitivity compared with FCM

- In the performance verification test for ALL, CLL and MM, when loading 20μg sample
  - For ALL and MM sample，the LOD (Limit of Detection) is 6.5×10^{-7}
  - For CLL sample，the LOD (Limit of Detection) is 9.75×10^{-7}
- Based on validation data from 128 clinically confirmed patients' samples (including 47 B-ALL, 39 CLL, and 42 MM). The positive detection results of traditional flow cytometry (FCM) and Seq-MRD were highly consistent
- Among them, 10 cases were detected MRD positive by Seq-MRD but negative by FCM, which reflected the **higher sensitivity** of Seq-MRD



	FCM MRD+	FCM MRD-	PPA (95%CI)	NPA 95%CI)
Seq-MRD+	98	10	100% (96.23%-100%)	66.67% (48.78%-80.77%)
Seq-MRD-	0	20		

Initiated commercialization in China

GENETRON 泛生子 X FOSUN PHARMA 复星医药

- Exclusively collaborating with Fosun Pharma in hematologic-focused hospitals and clinics in China
- Fosun has 1,500 sales reps to sell innovative drugs that target hematologic and lymphoid malignancies, and solid tumors

ALL: acute lymphoblastic leukemia MM: multiple myeloma CLL: chronic lymphoid leukemia

#1 in Drug Development Services for Biopharma

GENETRON 泛生子
ANSWERS FOR CANCER

AstraZeneca · Roche · BAYER · janssen · 药明巨诺 JW Therapeutics · 正大天晴 CHIATAI TIANQING · 康宁杰瑞 ALPHAMAB ONCOLOGY · Innovent 信达生物制药 · FOSUN 复星 · HUTCHMED · INNOCARE Science Drives Innovation · 基石药业 CSTONE PHARMACEUTICALS · EDIGENE 博雅辑因 · 亚盛醫藥 Ascentage Pharma

- Strategic partnerships with **64** leading global and Chinese biopharma companies
- Continue to see a strong pipeline as to form partnerships through our key products including **Seq-MRD, Onco Panscan, Fusion Scan**, etc.

Global clinical drug trials and CDx development

- CLIA lab in Maryland, US - a solid platform to offer services for cross-border trials and CDx developments
- Strategic partnership with NeoGenomics NEO GENOMICS

CDx: Companion diagnostics

Note: Partner number as of March 31, 2022

8-Gene Kit + S5 Instrument - Efficient Solution for Hospitals

GENETRON 泛生子
ANSWERS FOR CANCER

Lung Cancer 8-Gene Kit ✚ **Genetron S5**

Accurate Testing	High sequencing consistency, repetition rate and accuracy
Speedy Process	2-day turn around time
Small Sample Demand	As little as 20ng of sample DNA

Comprehensive 8-gene coverage

Gene	Chinese population mutation rate[1]
EGFR	50.1%
KRAS	12.3%
BRAF	4.4%
PIK3CA	12%
HER2	6.3%
ALK	7.8%
ROS1	1.3%
MET	3.4%

1.Oncologist. 2019 Nov;24(11):e1070-e1081.

Target at China hospital market

Teamed up with Siemens Healthineers to advance the use of Genetron S5 platform and lung cancer 8-gene IVD assay in hospitals market

SIEMENS Healthineers

New commercialization opportunity

Received CE Mark for 8-gene Lung Cancer Assay, the second regulatory milestone for this assay

CDx development collaboration

Partnered with HUTCHMED for Orpathys (savolitinib) in China

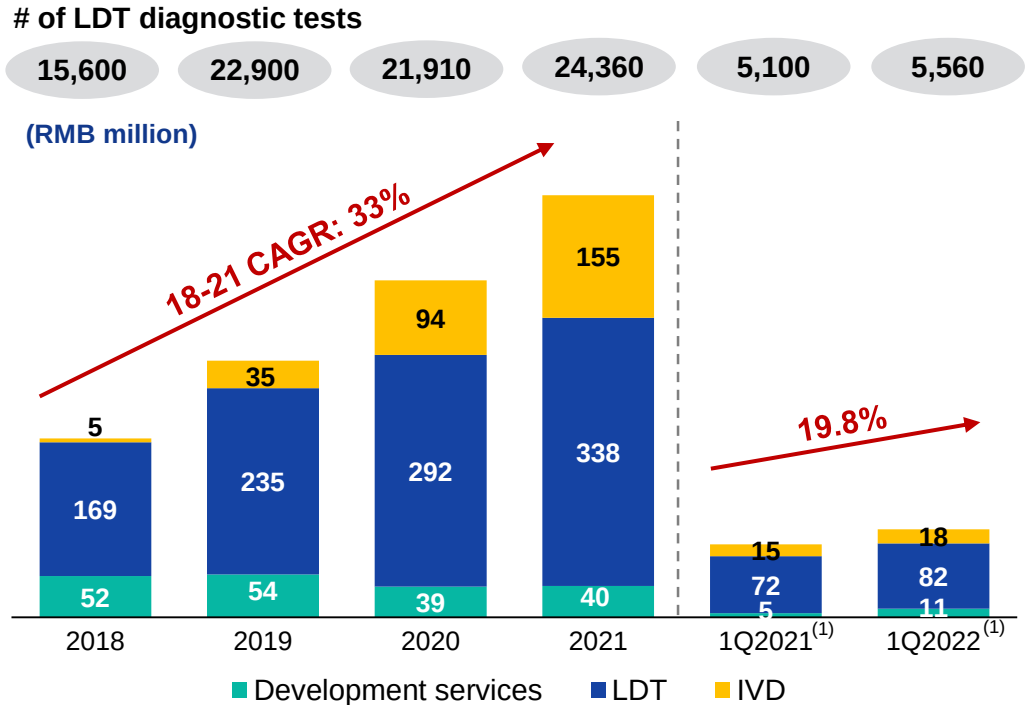
HUTCHMED

Table of Contents

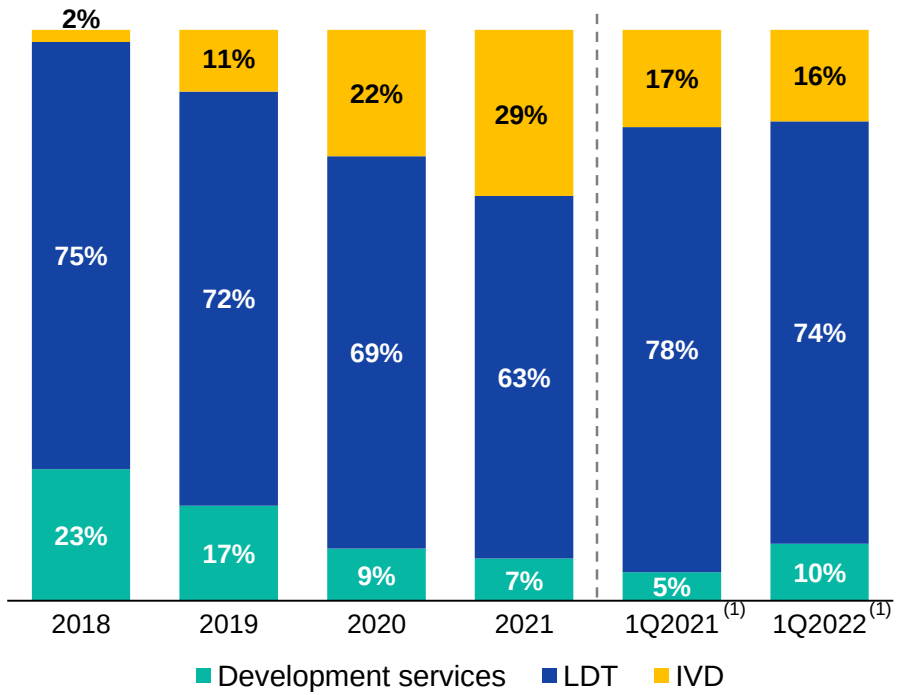
1Q 2022 Revenue

- LDT diagnostic test volume grew 9% YOY
- Increased IVD revenue was driven by Genetron S5 instrument and 8-gene Lung Cancer Assay
- Development services: driven by growth in sequencing and biopharma services revenues

Revenue growth in 1Q2022



IVD revenue as a percentage of total revenue increased in 1Q2022



Note:
(1) Unaudited financial numbers

Winning the China Hospital Market

GENETRON 泛生子
ANSWERS FOR CANCER

"LDT + IVD" Business Model

Laboratory developed test (LDT)

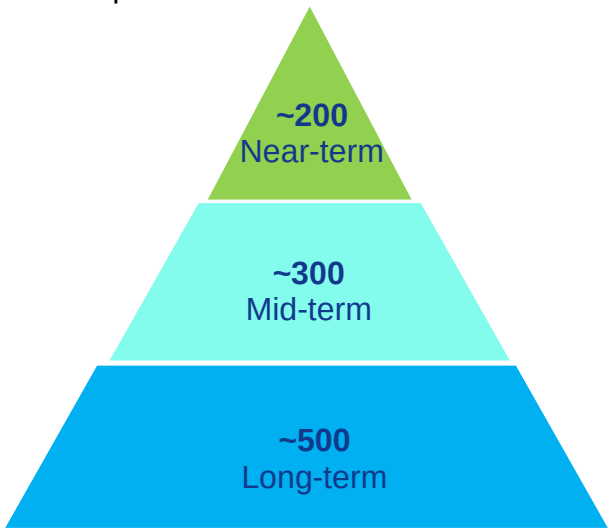
- Initially hospitals unable to run complex NGS testing in house
- Third party labs provide service to hospitals
- Fast adoption of latest technology

+

In vitro diagnostics (IVD)

- Generate incremental revenue for hospitals
- Currently the only pathway to public medical insurance
- Lengthy large size clinical trials required by NMPA

Targeting ~1000 Class 3 Grade A hospitals for cancer treatment in China



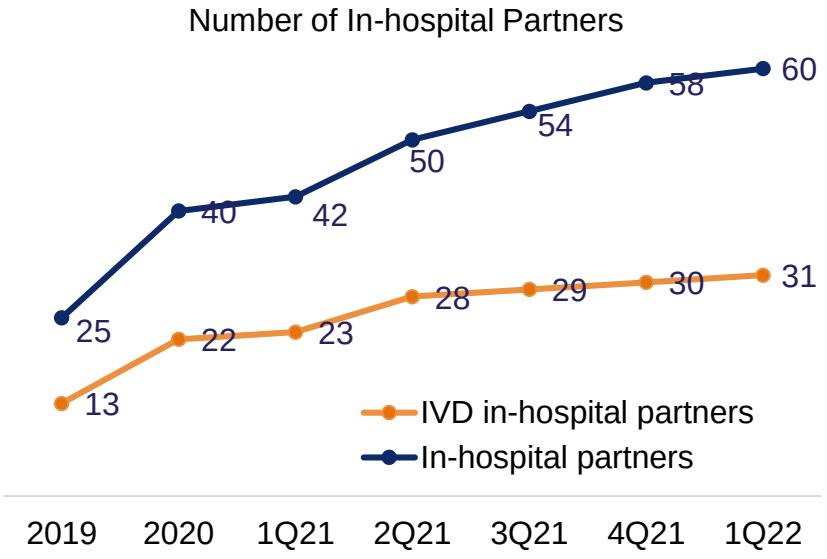
350+ internal direct sales and marketing rep

Teamed up with Siemens Healthineers to advance the use of Genetron S5 platform and lung cancer 8-gene IVD assay in hospitals

500+ hospitals ordered tests from us

60 in-hospital partners(1) including 31 IVD In-hospital partners(2)

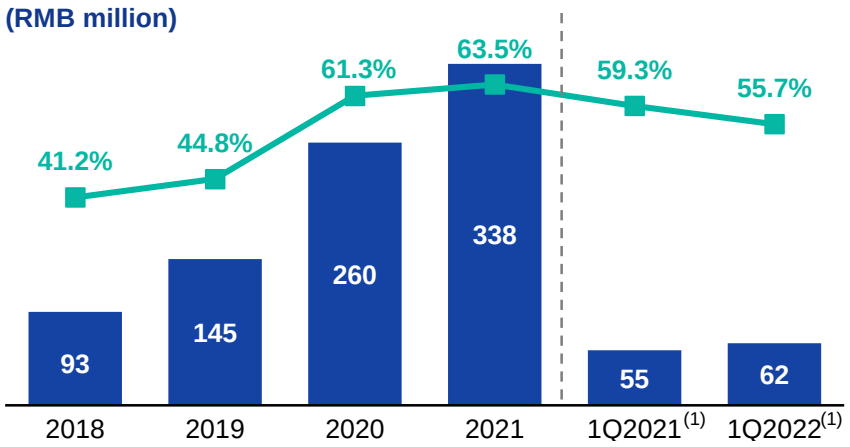
(1) The number of total in-hospital partners include both sales of LDT services and IVD products.
(2) By December 31, 2021



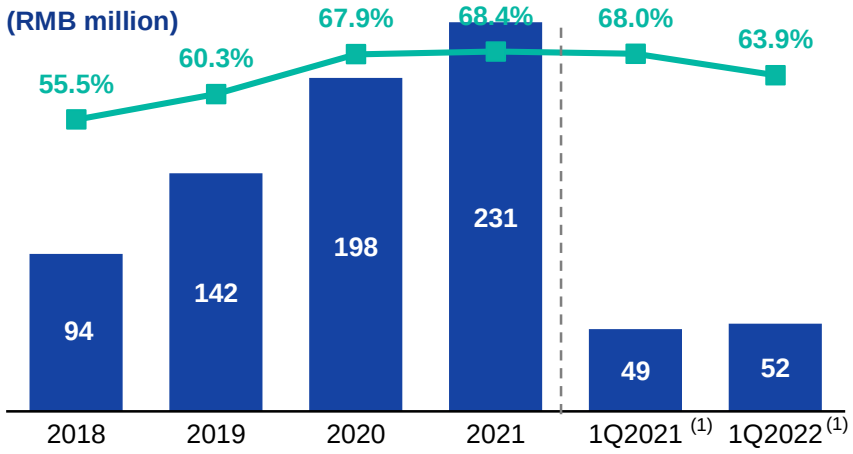
1Q 2022 Gross Margin

GENETRON 泛生子
ANSWERS FOR CANCER

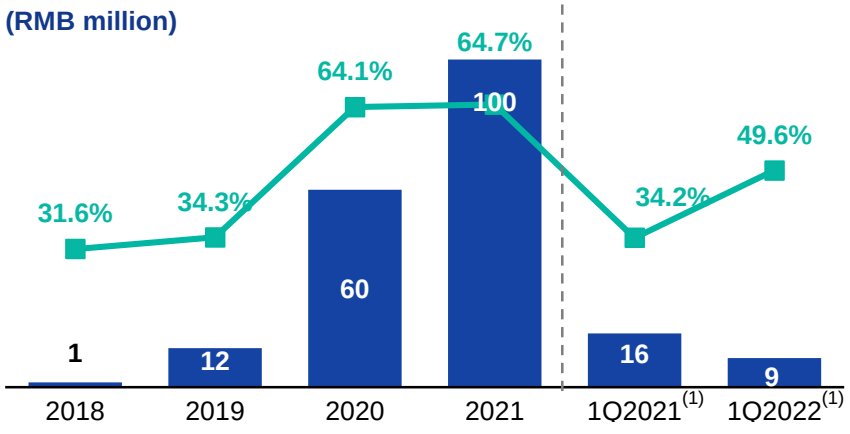
Gross profit and margin



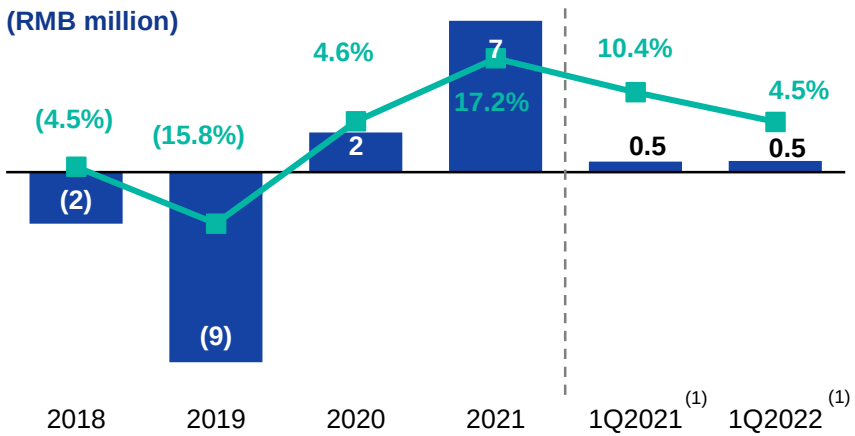
Gross profit and margin (LDT)



Gross profit and margin (IVD)



Gross profit and margin (Development services)



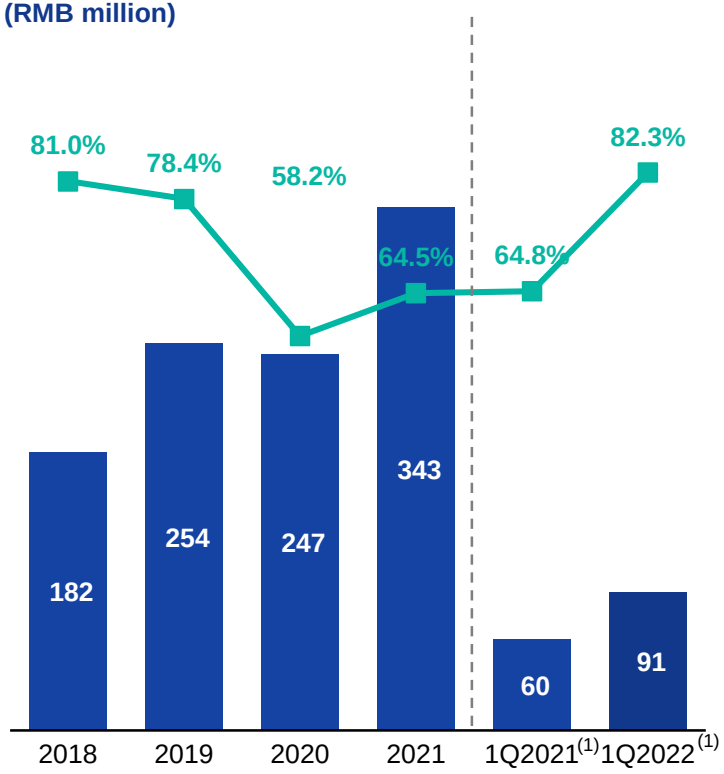
Note:
(1) Unaudited financial numbers

1Q 2022 Operating expenses

GENETRON 泛生子
ANSWERS FOR CANCER

Selling expenses

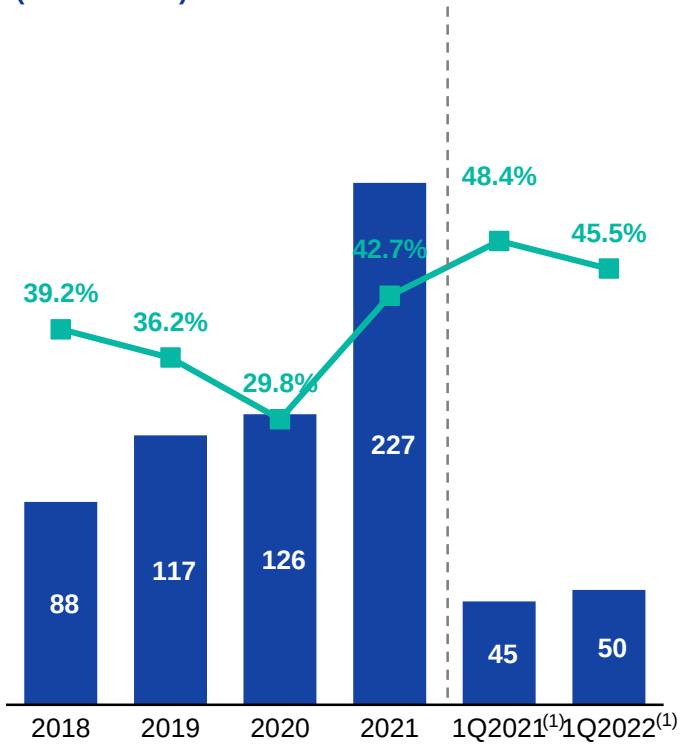
(RMB million)



Selling expenses Percentage of total revenue

Administrative expenses

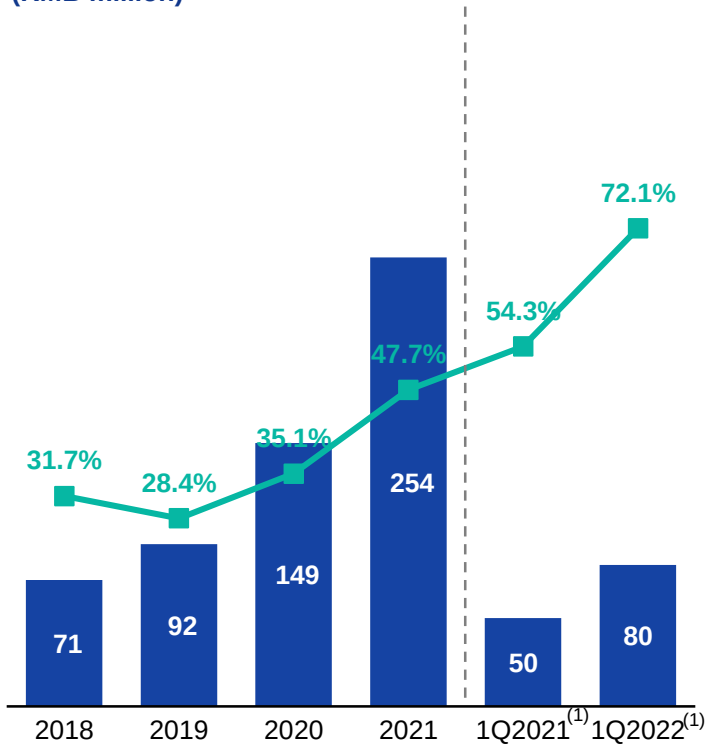
(RMB million)



Administrative expenses Percentage of total revenue

R&D expenses

(RMB million)



R&D expense Percentage of total revenue

Note:
(1) Unaudited financial numbers

1Q 2022 Financial Highlights

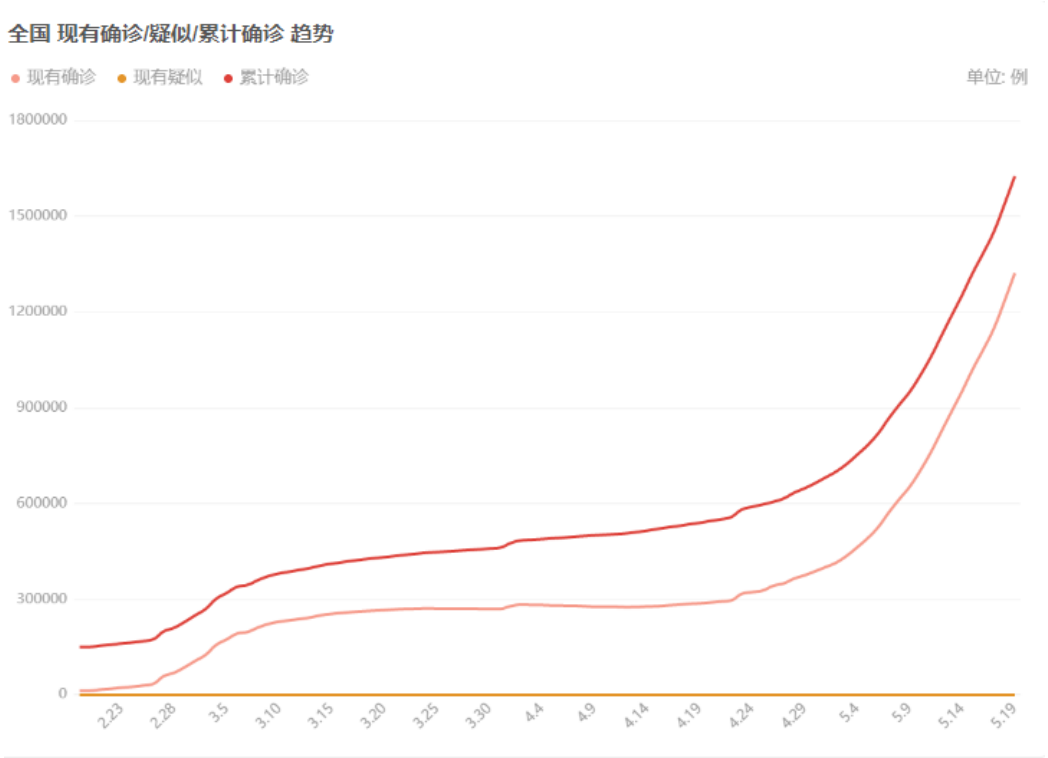
(in RMB million)	First Quarter		
	Q1 2022	Q1 2021	Y/Y Change
Revenue	110.3	92.1	19.8%
Diagnosis & monitoring - LDT	81.5	71.8	13.5%
Diagnosis & monitoring - IVD	18.0	15.3	18.1%
Development services	10.8	5.0	117.2%
Gross margin	55.7%	59.3%	(360bps)
Selling expenses (% of rev)	82.3%	64.8%	1750bps
R&D expenses (% of rev)	72.1%	54.3%	1780bps
Admin expenses (% of rev)	45.5%	48.4%	(290bps)
Operating loss	(179.9)	(109.0)	-
Net loss	(174.9)	(115.0)	-
Non-IFRS loss[1]	(163.6)	(105.8)	-

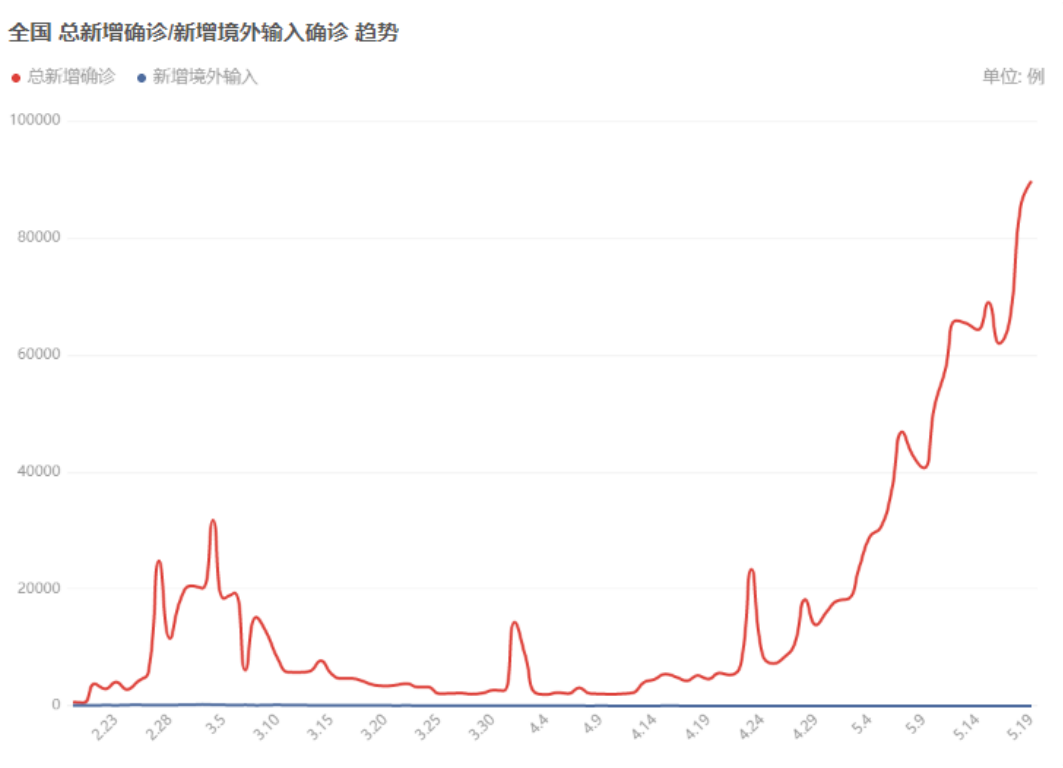
As of March 31, 2022, cash and cash equivalents, restricted cash and current financial assets at fair value through profit or loss were RMB559.1 million

1. Non-IFRS loss represents net results excluding share-based expenses, fair value change and other loss of financial instruments with preferred rights.

Covid-19 Situation in China

- In first quarter of 2022, Covid-19 situation in China worsened and caused multiple regions' lockdowns
- Starting in March, Shanghai started its most extensive, large-scale lockdown in 2 years. Beijing also has ongoing spread.
- We had baked in conservative assumptions when we provided financial guidance in March. We continue to project full year 2022 revenue to be around RMB 585-638 million, representing 10-20% growth over 2021

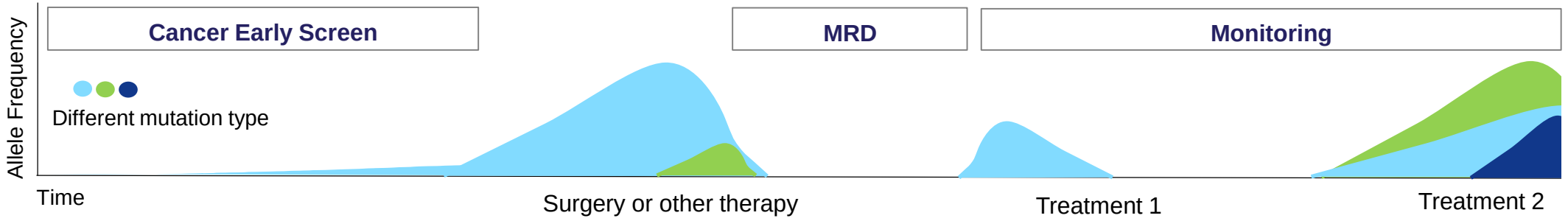




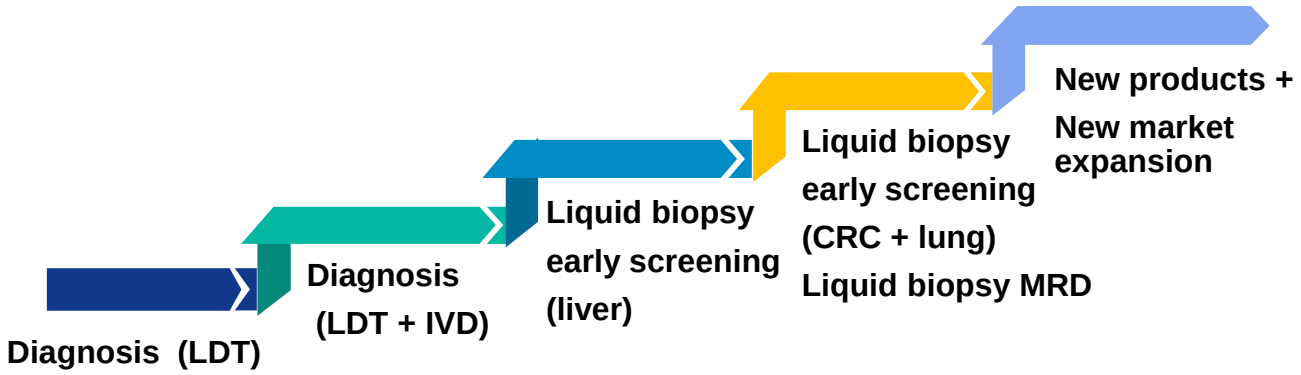
Source: https://voice.baidu.com/act/newpneumonia/newpneumonia

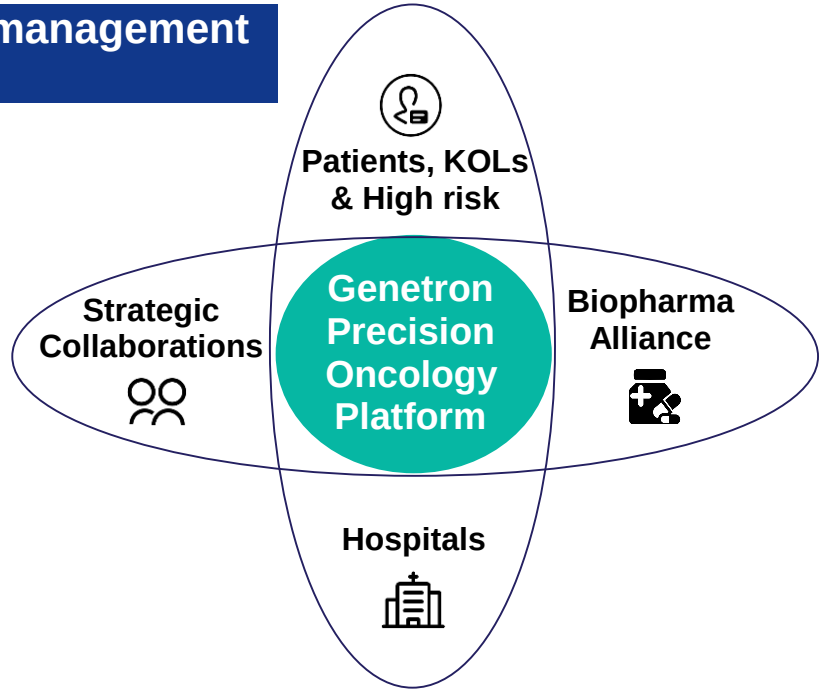
Table of Contents

Become A Prominent Player in Liquid Biopsy



Develop liquid biopsy-based solutions across the full-cycle cancer management
Continue to ramp up our commercialization efforts





Key Catalysts

GENETRON 泛生子
ANSWERS FOR CANCER

Focused on Transforming the Lifecycle Management of Cancer

Early Screening

2021:

- ✓ Data readout for large-scale HCC[2] prospective clinical trial
- ✓ HCCscan registrational trial initiated
- ✓ Data readout for CRC[3]

2022:

- ■ HCCscreen registrational trial initiation
- ■ CRC data publication

2023-2024:

- ■ HCCscan and HCCscreen IVD approvals

MRD[1] Detection

2021:

- ✓ Seq-MRD pilot launch for hematological tumor MRD[2]

2022:

- ✓ Seq-MRD full launch with Fosun
- ✓ Seq-MRD received CE mark
- ✓ Data publication for solid tumor MRD
- ■ Complete product development for solid tumor MRD assay with AZ and commercial launch

Medication Guidance

2021:

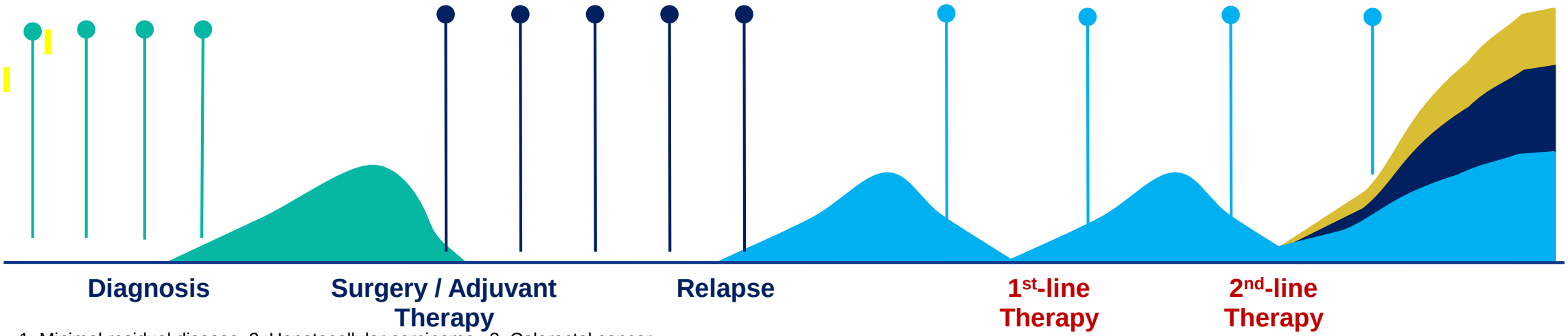
- ✓ OncoPan Scan received CE mark

2022:

- ✓ FusionScan Plus received CE mark
- ■ Onco PanScan large-panel registrational trial initiation
- ■ Avapritinib CDx kit registration in priority review
- ■ Thyroid assay registrational trial completion
- ■ Next generation liquid biopsy panel launch

2023:

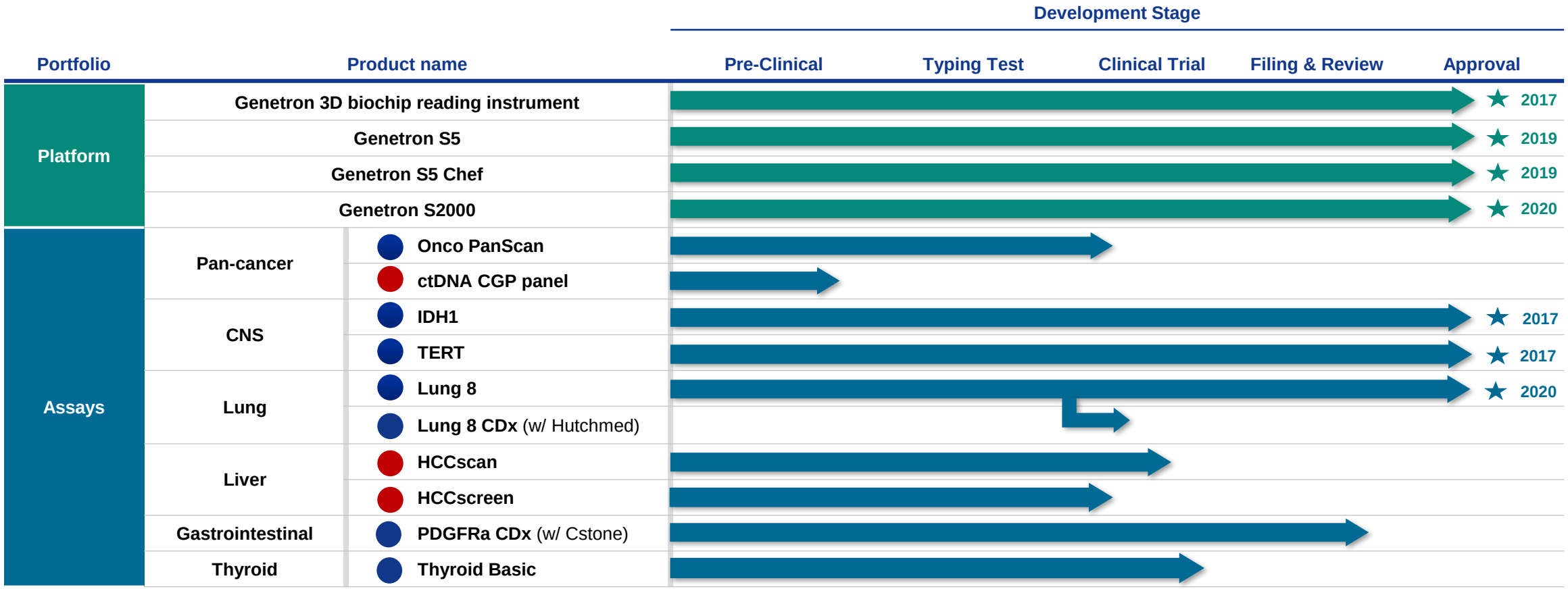
- ■ Thyroid assay IVD approval



1. Minimal residual disease 2. Hepatocellular carcinoma 3. Colorectal cancer

IVD: Approved Products and Registration Pipeline

GENETRON 泛生子
ANSWERS FOR CANCER

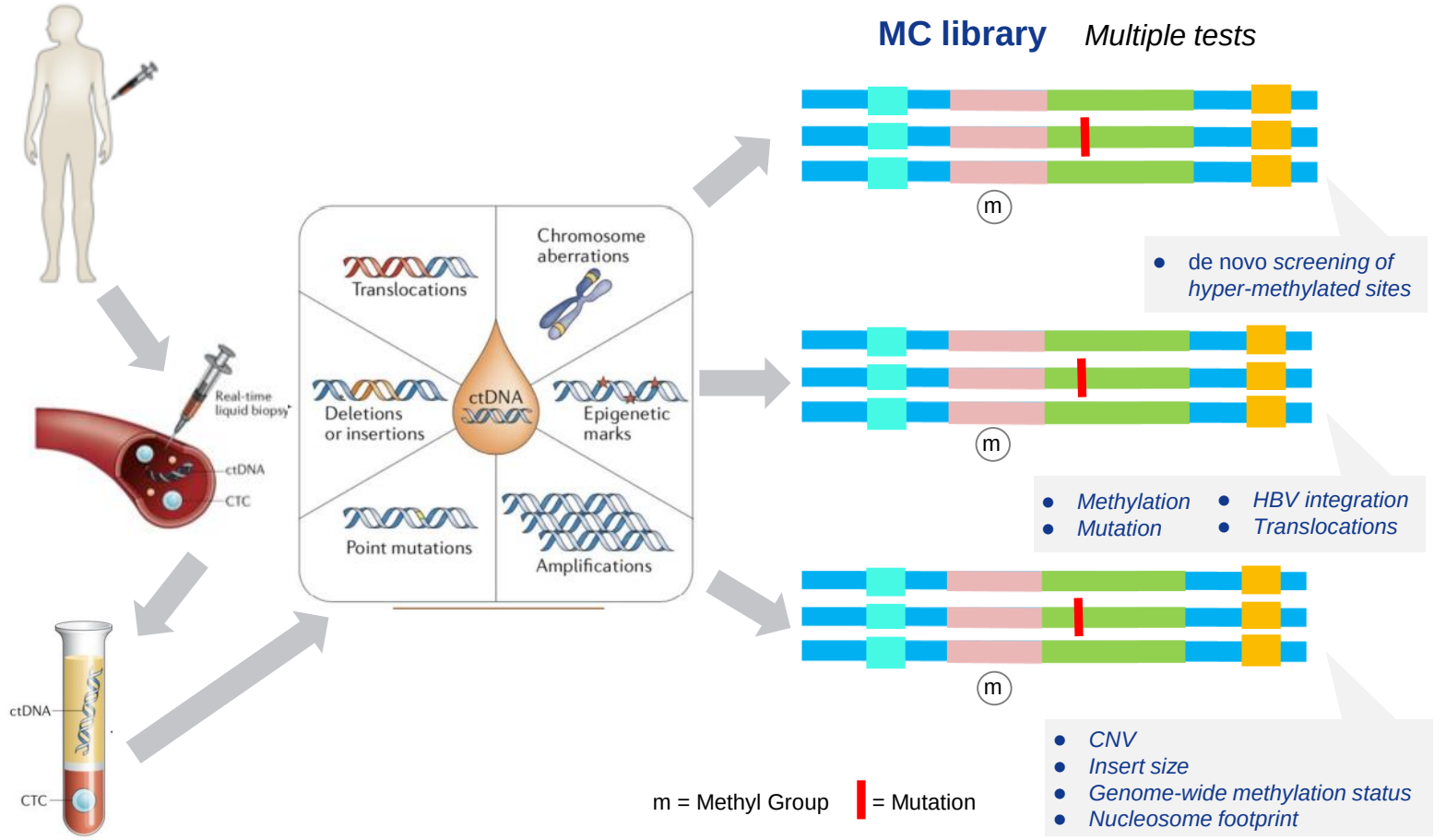


** Including software*

Table of Contents

Mutation Capsule – Our Innovative and Proprietary Technology

GENETRON 泛生子
ANSWERS FOR CANCER



Features & Advantages

- In parallel profiling of **mutation and methylation markers**
- ***De novo* discovery of methylation sites**
- Support **multiple tests** from a single ctDNA sample
- **Strong performance** with significant time and cost savings

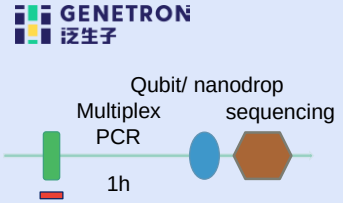
Source: Pantel et al., Nat Rev Clin Oncol, 2019

Proprietary One-Step Seq Method Presents Significant Advantage For Hospitals in China

GENETRON 泛生子
ANSWERS FOR CANCER

Genetron One-Step Seq vs Amplicon / Hybridization based methods

OneStep-seq



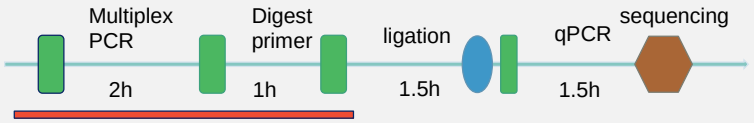
Reaction: 5-20 min
Purification: 20 min
With risk of contamination

Hands-on steps	Very simple (10 min)
Total time (from DNA to library)	1.5 hours
Contamination risk	Low
Laboratory section requirement	Low

VS

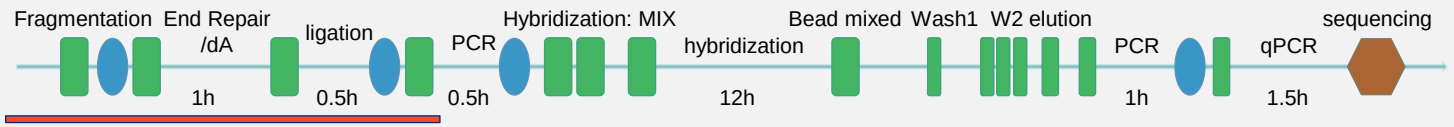
Commonly used sequencing methods by peers

Ampli-seq



Hands-on steps	Complicated (40 min)
Total time (from DNA to library)	8 hours
Contamination risk	High
Laboratory section requirement	Medium

Hybridization capture



Hands-on steps	Very complicated
Total time (from DNA to library)	24 hours
Contamination risk	High
Laboratory section requirement	High

ANSWERS FOR CANCER