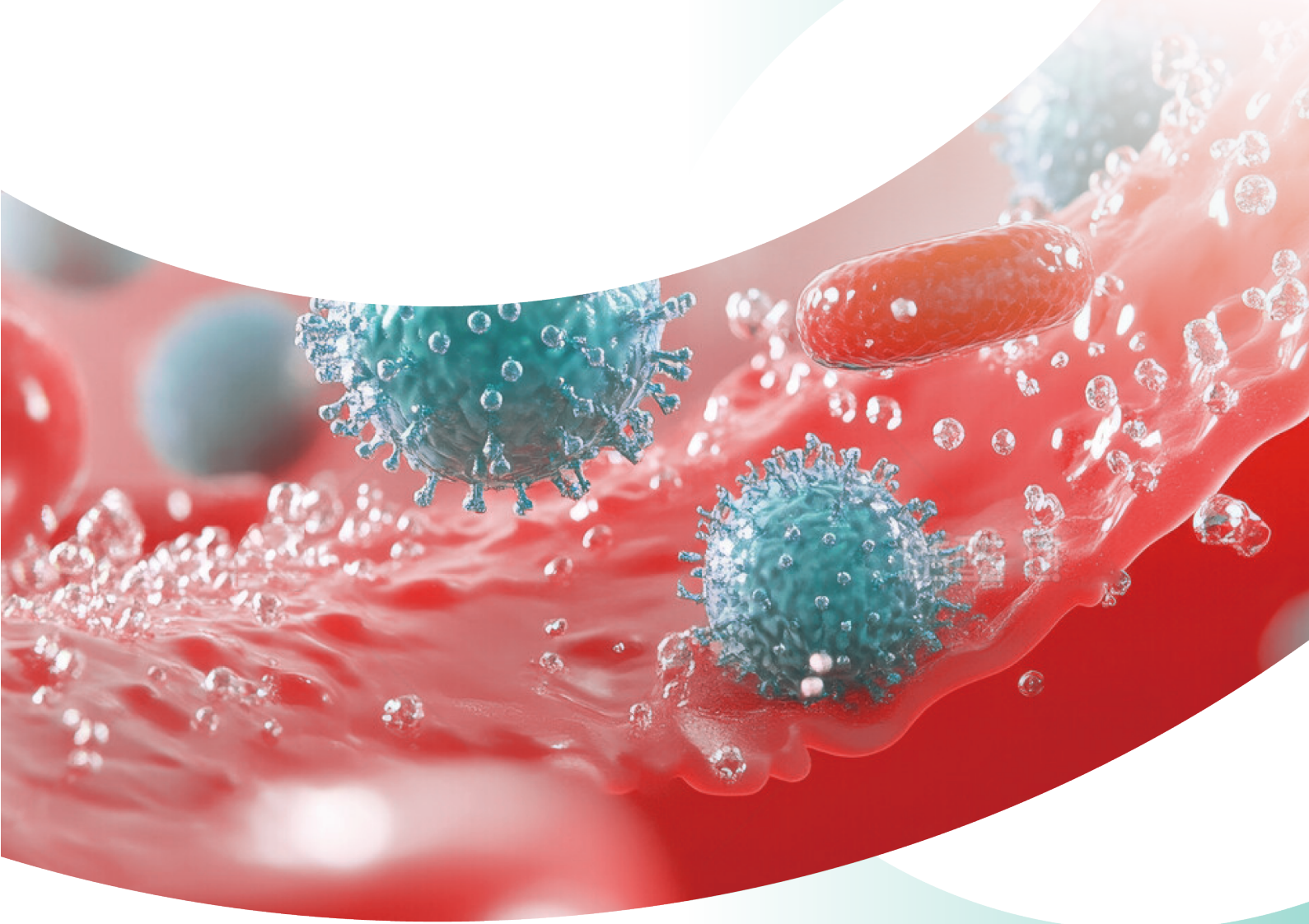


Hematological Malignancies

—Central Laboratory Solutions for Clinical Trials



About KingMylab

KingMylab is a leading provider of central laboratory services for clinical trials in China. Founded in 2008 as the Clinical Trial Department of Guangzhou KingMed Diagnostics—China's largest clinical diagnostics corporation—then became independent in 2020. We deliver scientific, compliant and one-stop comprehensive central laboratory and data solutions for clinical trials to our pharmaceutical and biotech partners locally and globally. Our services cover the entire drug development pipeline across a broad range of therapeutic areas—including but not limited to oncology, immunology, metabolism, neurology, infectious diseases, vaccines and cell&gene therapy, as well as the full clinical trial lifecycle and international multi-regional trials.

KingMylab's quality system complies with NMPA, FDA, EMA and GLP/GCP requirements, relevant three laboratories in Guangzhou, Shanghai and Hong Kong China have obtained CAP, CLIA and ISO 15189 accreditations. We are committed to building an integrated central laboratory service chain for clinical trials and expanding into diversified clinical trial CRO services.



4200+
Central Lab Tests



800+
Global Clients



80+
Technical Platforms



4500+
Clinical Trials



90+
Novel Drugs
Supported



160+
NMPA/FDA/EMA
Inspections

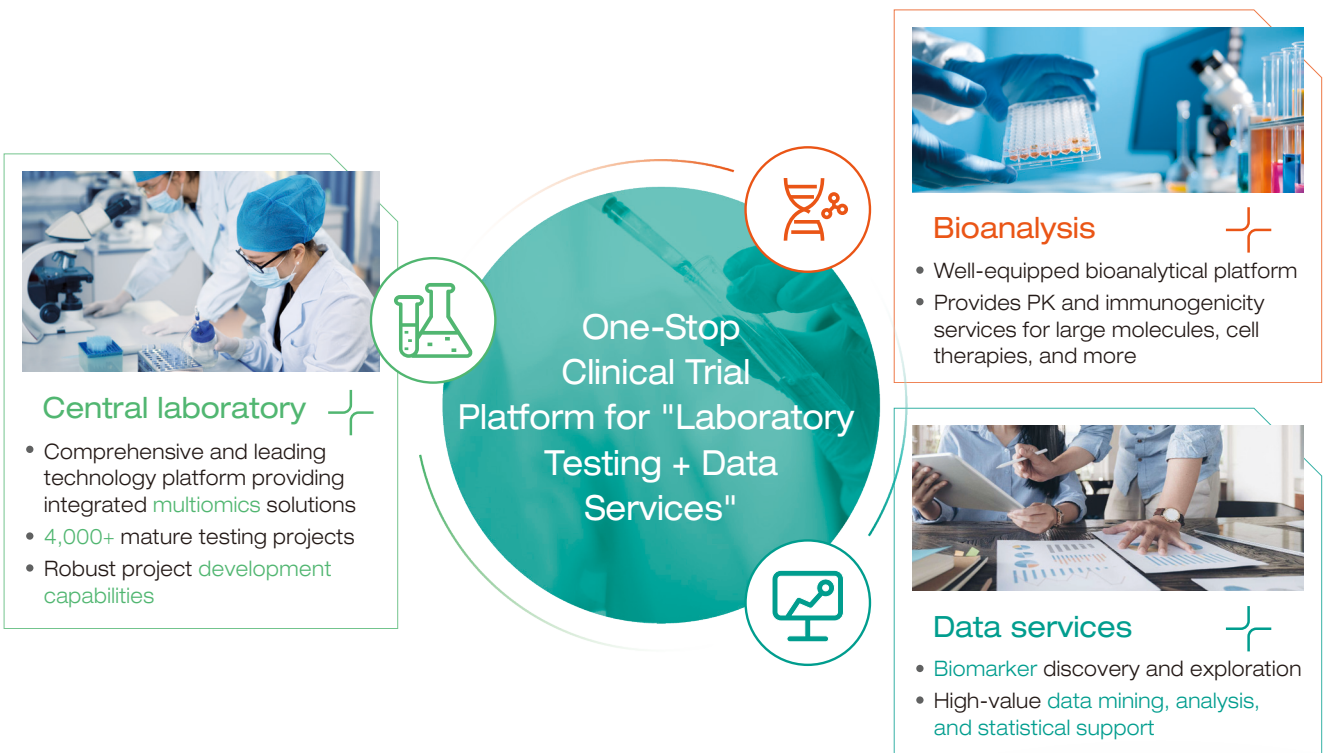
Hematological Malignancies One-Stop Central Laboratory Testing Platform for Clinical Trials

Hematological neoplasms are a group of neoplastic disorders originating from the hematopoietic system or lymphoid tissues, which can involve the bone marrow, blood, and various organs and tissues throughout the body.

In recent years, hematological neoplasms (such as leukemia, lymphoma, and multiple myeloma) have witnessed significant advances in targeted therapy and immunotherapy. These developments have enabled more patients to benefit from novel therapeutic approaches, such as small-molecule targeted agents, antibody-based drugs (monoclonal or bispecific antibodies), and chimeric antigen receptor T (CAR-T) cell therapies, thereby improving patient prognosis and quality of life.

Compared with solid tumors, hematological neoplasms exhibit greater complexity in classification and present more challenges in endpoint assessment. In particular, the diagnosis and treatment of lymphoid and hematopoietic tumors place high demands on laboratory testing. Different subtypes of the same disease can significantly affect the pace of clinical trials. Therefore, the diagnosis and therapeutic monitoring of hematological neoplasms rely heavily on laboratory testing technologies, and the capability to measure laboratory parameters as well as the project management capacity of central laboratories plays a critical role in the progress of clinical trials.

KingMylab has a multidisciplinary team, multiple technology platforms, and a mature management system. Driven by client needs and co-creating with clients, the company has established a one-stop translational service platform for oncology clinical trials. In the field of hematological neoplasm research, it has served over 500 projects and operates the MICM integrated platform, providing end-to-end clinical diagnosis and treatment services for lymphoid and hematopoietic neoplasms. With extensive expertise in project execution, KingMylab has successfully supported the development of several Class 1 innovative anti-cancer drugs in China and US. We continue to empower innovative breakthroughs in oncology clinical trials through professional services and innovative technological solutions



Experienced International
Scientific & Management
Team

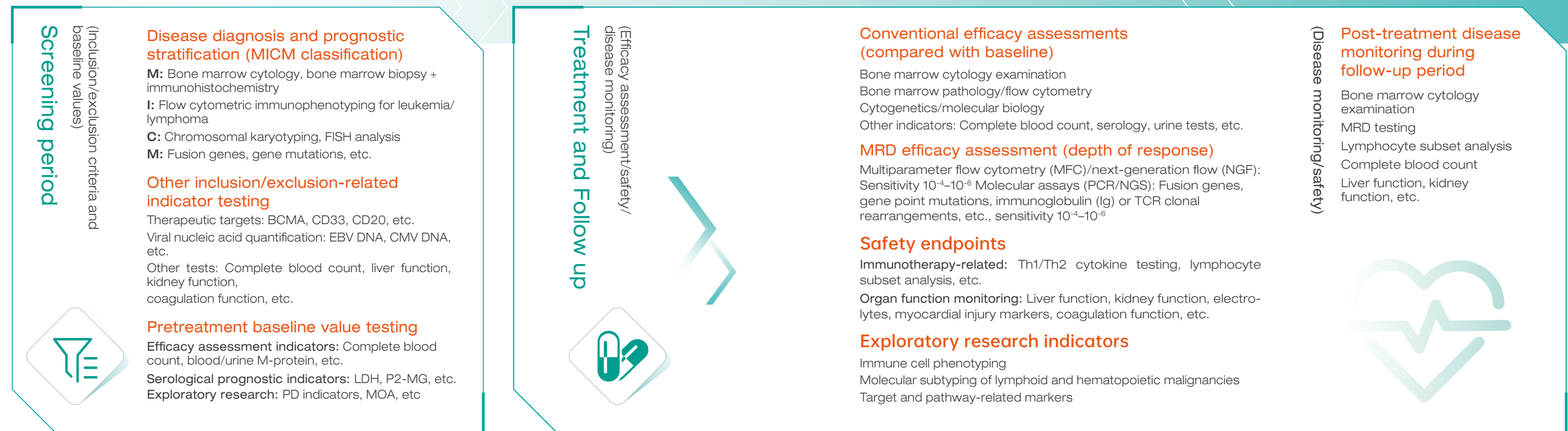
18 Years of Established
Compliance and Quality
Management System

Comprehensive and
Leading Integrated MultiOmics
Platform

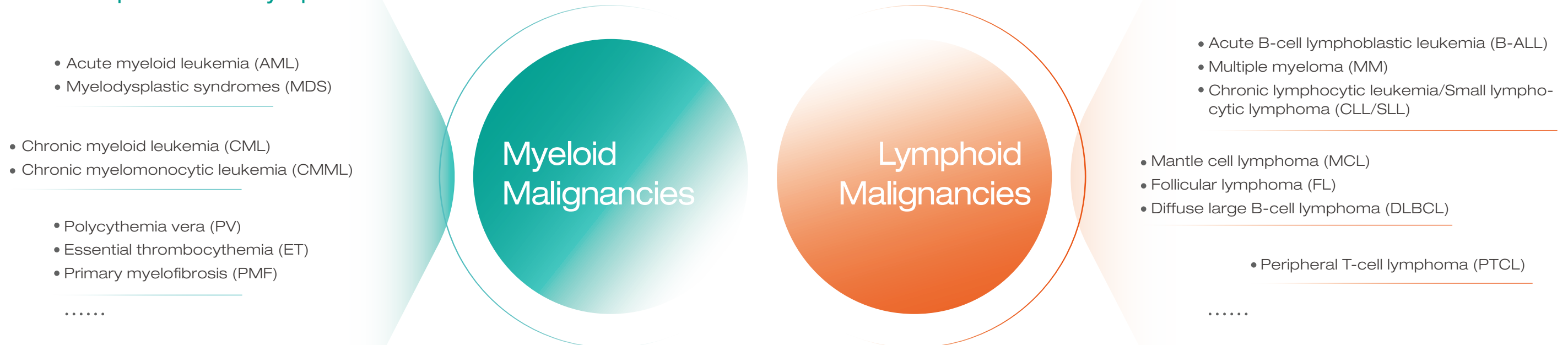
Fast and High-Quality
Delivery Across the Entire
Lifecycle

Comprehensive Capabilities in Central Laboratory Testing Services for Hematological Malignancies

Full-Cycle Testing: Screening · Treatment · Follow-up

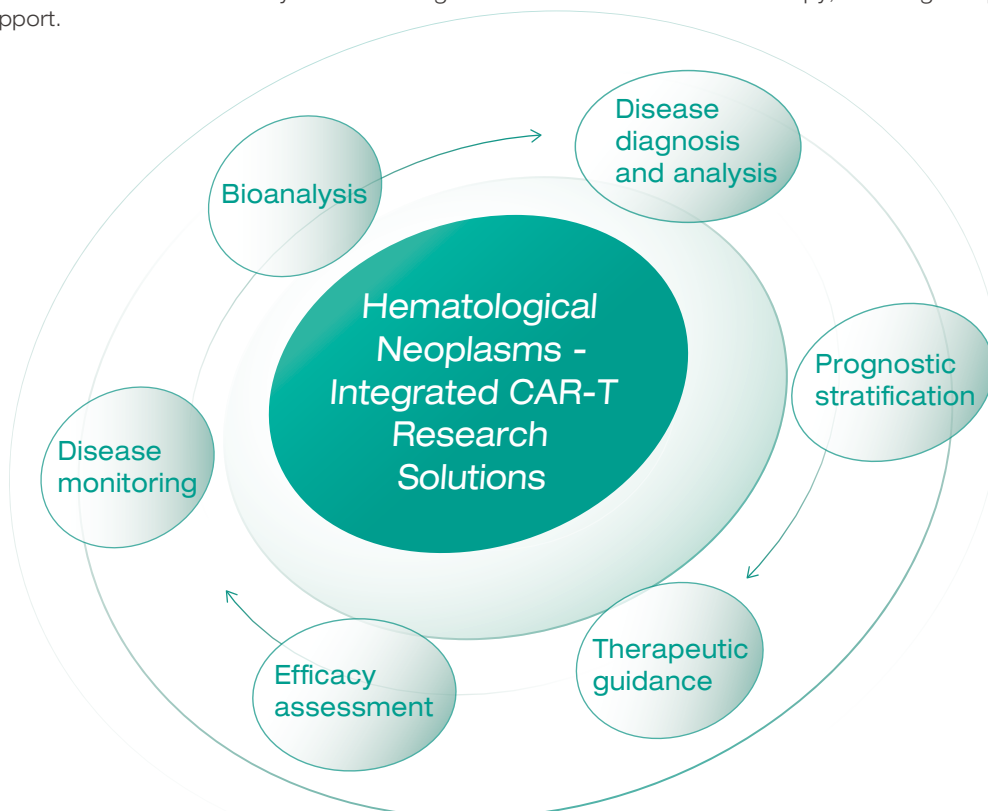


Common Indications Covered in Clinical Trials of Hematopoietic and Lymphoid Tumors



Central Laboratory Solutions for Hematological Hematological Malignancies —CAR-T Cell Multi-Technology Platforms Enabling Drug Development

CAR-T cell therapy represents one of the most revolutionary breakthroughs in the treatment of hematological neoplasms in recent years. By harnessing autologous immune cells to target and eliminate tumor cells, this innovative therapeutic approach has enabled some patients with previously refractory or difficult-to-treat diseases to achieve durable remission and even the potential for cure. CAR-T cell therapy is primarily indicated for hematological neoplasms such as B-ALL, MM, and B-NHL. Our central laboratory offers an integrated solution for CAR-T cell therapy, including comprehensive bioanalytical support.



PK

CAR cell count (flow cytometry)
CAR gene copy number (qPCR/ddPCR)

Safety

Immunogenicity (ELISA/Flow)
Replication-competent lentivirus/retrovirus (qPCR/ddPCR)
Cytokines and inflammation-related markers (ELISA/MSD/Luminex)

PD

Target antigen-positive cells in peripheral blood or bone marrow (flow cytometry)
Tumor target antigen expression (IHC)
Soluble target antigen levels in peripheral blood (ELISA)

Effectiveness

Blood smear
Bone marrow smear
Histopathological examination (IHC)
MRD (flow cytometry)
Blood and urine tests

Biomarker exploration

Immune cell function-related markers (HC/m IHC/RNAseq)
Immune-related factors (ELISA/MSD/Luminex)
CAR-T and immune cell phenotyping (flow cytometry)
Target and pathway-related markers

Pipelines Across Diverse Therapeutic Modalities for Hematological malignancies

Integration of cutting-edge diagnostic technologies and multiomics platforms to meet the needs of hematological neoplasm clinical trials

12 major platforms, including pathology, flow cytometry, cytogenetics, molecular biology, routine hematology, biochemical and immunology platforms, clinical immunology platform, molecular infectious disease, mass spectrometry and others, covering a total of 82 clinical testing techniques

Efficiently empowering diverse drug development pipelines in hematological neoplasms to meet a wide range of clinical trial needs, including disease diagnosis, prognostic stratification, efficacy assessment (including MRD), safety marker evaluation, pharmacodynamic measurements, exploratory research (e.g., immune microenvironment), and development of novel biomarker assay methodologies

Integration of Multi-Omics Platforms to Empower Clinical Research



High-throughput sequencing



qPCR/ddPCR



Cytogenetics



Flow cytometry



Immunology



Routine hematology



Central pathology



Immunohistochemistry

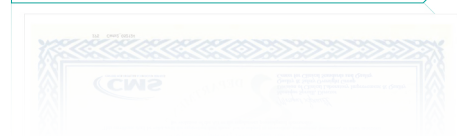


Multiplex immunohistochemistry

Global High-Quality Standards Central Laboratory

Operates a quality management system fully compliant with clinical trial regulations (GCP/GCLP) required by NMPA, FDA, and EMA, based on international quality system standards including CAP, CUA, and ISO 15189

18 consecutive years
Participating in and accredited by CAP
(College of American Pathologists)
★★★★★



Equipped with a First-Class MICM+ Testing Platform, Conducting over 500 Projects

Platform highlights



Hematopathology testing volume
Over **60,000 cases/year**



Flow cytometry platform
Over **20,000 cases/year**



Cytogenetics platform
(FISH/Karyotyping)
Over **150,000 cases/year**



Molecular biology platform
(qPCR/NGS)
Over **60,000 cases/year**

| | Morphology platform (M) | Immunology platforms (I) | Cytogenetics platform (C) | Molecular biology (M) |
|---------------------------|---|---|--|--|
| Technical Platform | Bone marrow cytology/bone marrow pathology/ lymphoid tissue pathology | Multiparameter flow cytometry(MFC)/ Next-generation flow (NGF) | Chromosome karyotyping/ FISH/CMA | qPCR/ddPCR/NGS |
| Testing content | <p>Bone marrow smears+ blood smears: Cellular morphology</p> <p>Bone marrow biopsy + immunohistochemistry: Definitive disease diagnosis, subtyping, and target expression</p> <p>Lymphoid tissue pathology: Pathological diagnosis and differential diagnosis of lymphomas</p> | <p>Immunophenotyping: Acute and chronic leukemia/NHL/MDS</p> <p>MRD testing: MFC or NGF-based, including AML/ALL, MM, CLL, MCL, etc</p> <p>Therapeutic targets: CD33, CD371, CD123, CD20, CD19, CD38, BCMA, etc.</p> | <p>Chromosome karyotyping: Bone marrow cells, peripheral blood cells</p> <p>Fluorescence in situ hybridization(FISH): Gene/Chromosome, fusion genes, amplifications, deletions, etc.</p> <p>Molecular karyotyping (CMA): SNP-array for detecting chromosomal CNVs</p> | <p>Real-time quantitative PCR(RQ-PCR) Fusion genes, gene mutation, etc.</p> <p>Next-generation sequencing (NGS) Hematological neoplasm gene panels, IgHV mutations, etc.</p> <p>Fragment analysis (PCR + capillary electrophoresis): Ig/TCR gene clonal rearrangements</p> <p>Omics exploratory research</p> |

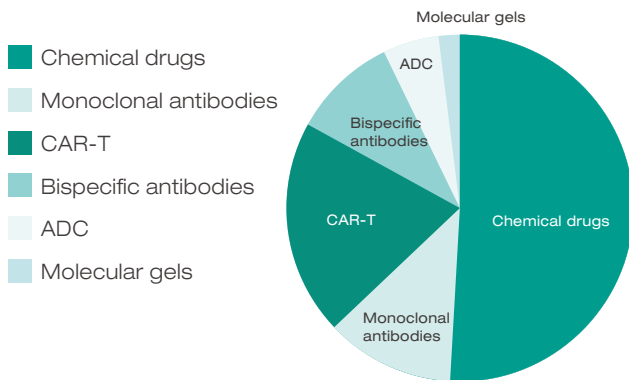
Extensive Experience in Hematological Malignancies Projects, Providing Full Lifecycle Project Management to Support New Drug Development

- As of April 2025, the central laboratory has undertaken over **500** hematological malignancies clinical trial projects, of which pivotal Phase III registration trials account for approximately 15%.
- 100% NMPA and FDA inspection compliance: As of April 2025, hematological malignancies clinical trial projects have successfully passed nearly 60 inspections and audits by NMPA and FDA, **supporting the NMPA approval of nearly 20 drugs.**
- Specialized Excellence in Multiple Myeloma: ~50 MM clinical trial projects supported, ~40% are pivotal Phase III registration trials, **8 NMPA-approved drugs.**

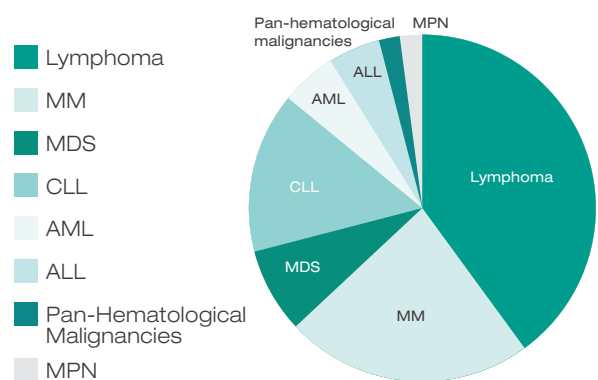
a. Analytical experience across clinical projects



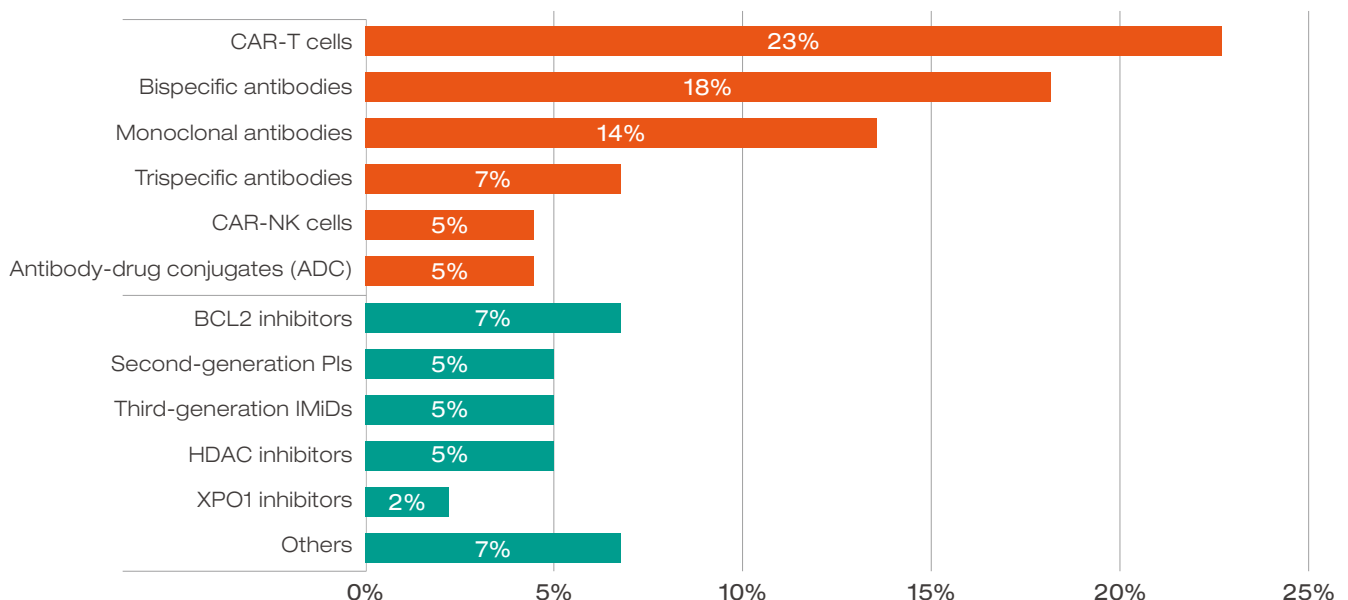
b. Supported drug types



c. Distribution of indications



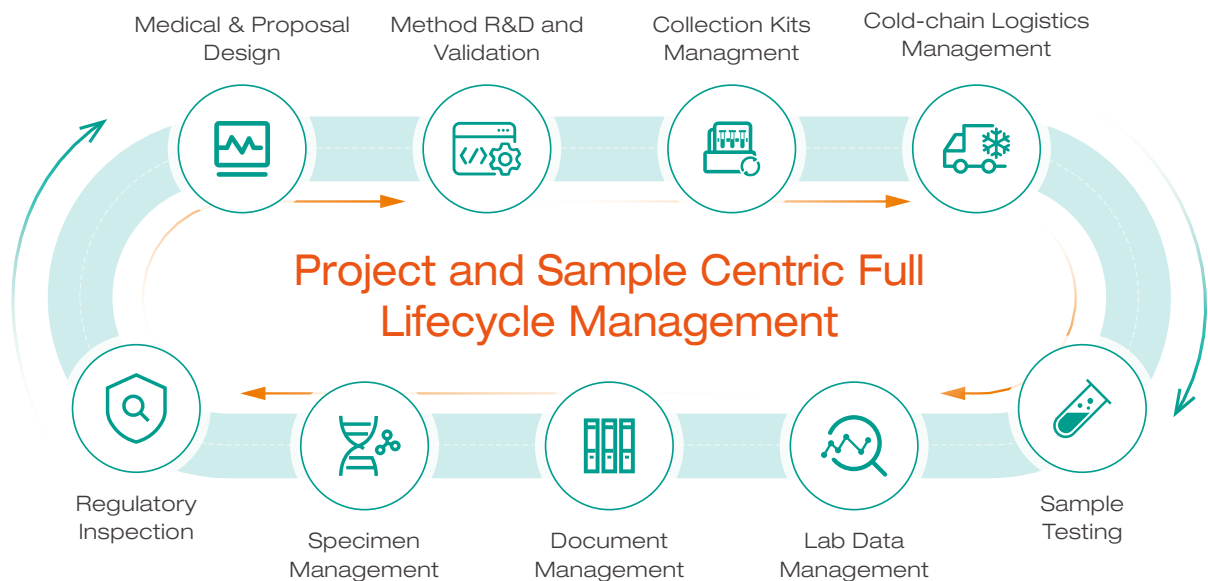
d. Proportion of drug types in undertaken multiple myeloma (MM)



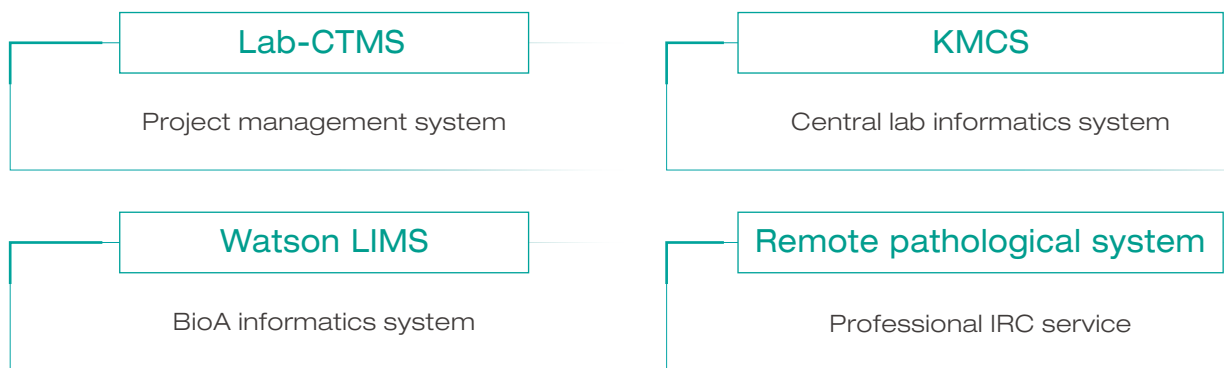
Full lifecycle project management

Ensure the authenticity, integrity, consistency and traceability of project samples and data

Comprehensively reduce research costs and risks+Effectively shorten research time = Improve Efficiency



Digitally Support



KPI management of central lab projects





Scientific, Compliant & Comprehensive
Central Laboratory and Data Services for Clinical Trials



Accelerating drug development, advancing human health

www.kingmylab.com 

Address: [Hong Kong] Unit 1, 1F, Remington Centre, 23 Hung To Road, Kwun Tong, Hong Kong, P.R. China.
[GuangZhou] 6F, Building 2, Unit 2 Luoxuan 4th Road, GuangZhou International Bio Island, Guangdong, P.R.China;
[Shanghai] 5F, Building 3, 115 Xinjun Ring Road, Minhang District, Shanghai, P.R. China;

E-mail: kingmylab@kingmylab.com
Tel: 020-28330088