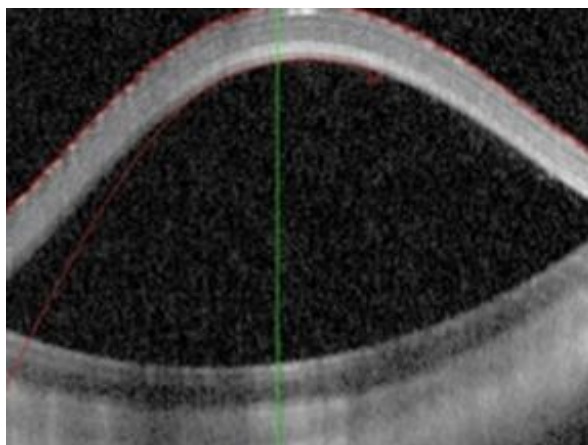


Therapeutic Areas: Gene Therapy Products and Vaccines

We offer comprehensive non-clinical platforms for gene therapies and vaccines, including siRNA, mRNA, AAV, and oncolytic viruses. Our capabilities span specialized delivery routes—such as subretinal and brain stereotactic injections—and include non-human primate models for translational relevance. These systems support POC validation, challenge studies, pharmacodynamics, and safety evaluation, facilitating the development of next-generation biologics.



We have built a full-fledged system of special administration technology such as subretinal injection, articular injection, intratumoral injection and brain stereoscopic injection of multiple animal species.

Test Item	Testing Method
Pseudovirus neutralizing antibody detection	In vitro cellular method
Detection of SARS-CoV-2 virus in samples (body fluids, tissues, swabs, etc.)	QPCR
Detection of anti S protein specific antibodies in serum of mice, rats, and monkeys	ELISA

Detection of specific antibodies against S-RBD protein in serum of mice, rats, and monkeys	ELISA
Detection of anti N protein specific antibodies in serum of mice, rats, and monkeys	ELISA
Detection of anti M protein specific antibodies in serum of mice, rats, and monkeys	ELISA
Determination of adenovirus content in serum of rats and monkeys	QPCR
Determination of vaccine mRNA content in serum of rats and monkeys	QPCR
IL-2, IL-4, IL-5, IL-6, IL-10, IFN- γ , TNF- α and other cytokines (microsamples)	MSD
IL-2, IL-4, IL-5, IL-6, IL-10, IFN- γ , TNF- α and other cytokines	CBA Flow Cytometry
CD3, CD4, CD8 and other T cell phenotypes	Flow Cytometry
Immunoglobulin IgG, IgM, IgA, IgE	ELISA or MSD
Taxonomy of blood and body fluid cells	Sysmex XN1000 Multifunctional Body Fluid Analyzer
Biochemistry (89 analytical items)	Hitachi 7180 Automatic Biochemistry Analyzer
Histopathology, immunohistochemistry	Team of professional veterinarians and pathologists

Research Projects Accomplished

We have conducted a total of **30 gene therapy product evaluation projects**, covering a broad range of modalities including **CAR-T cells, immune cell preparations, adenoviral vector vaccines, nanobody vaccines, subunit vaccines, mRNA vaccines, and more;**

We have supported more than 30 products to entry into phase III clinical trials;

We received the world's first clinical approval for a multi-targeted cellular therapy product for solid tumors.



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