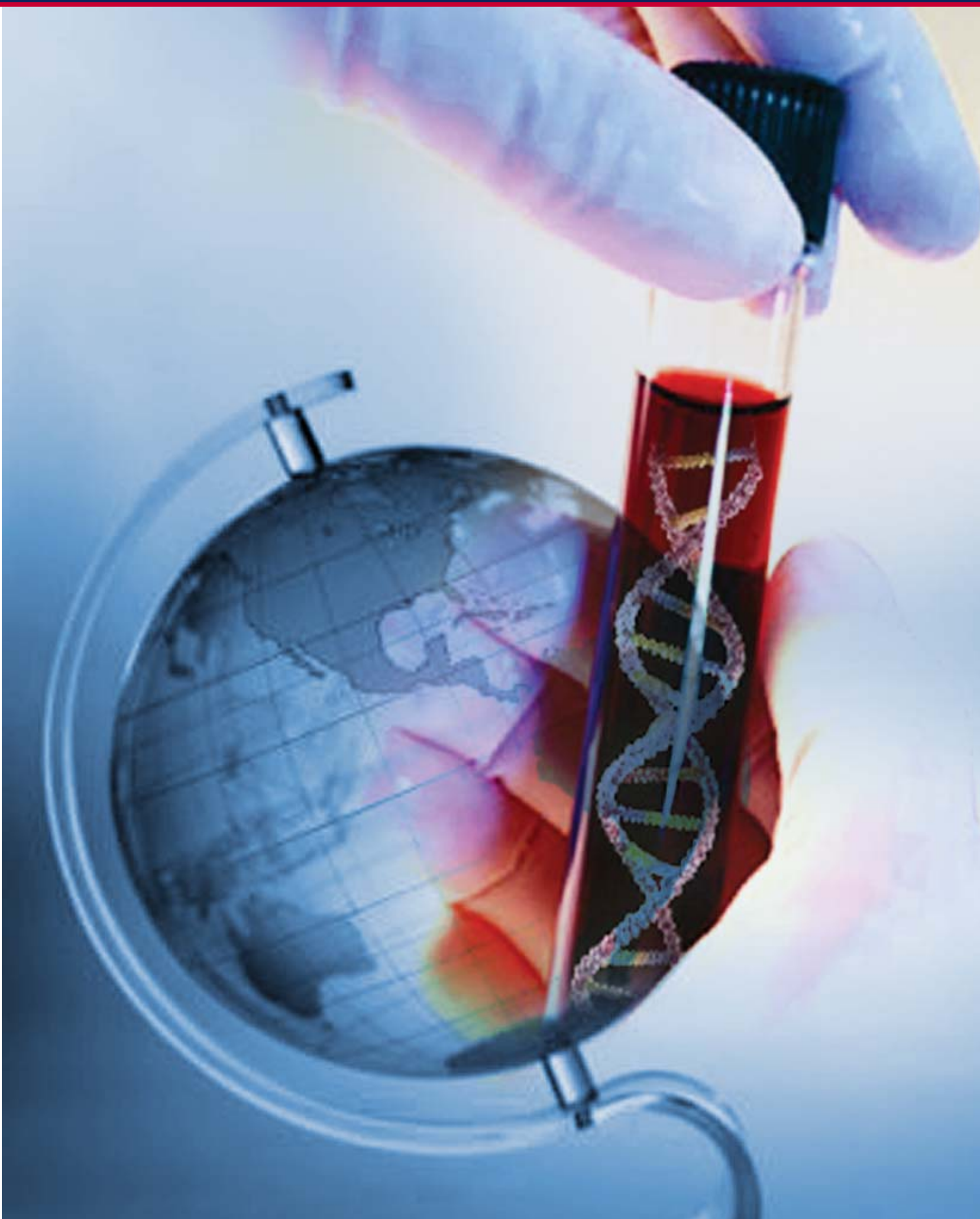


Drug Discovery and Clinical Development

Advancing Solutions from Pathway to Patient



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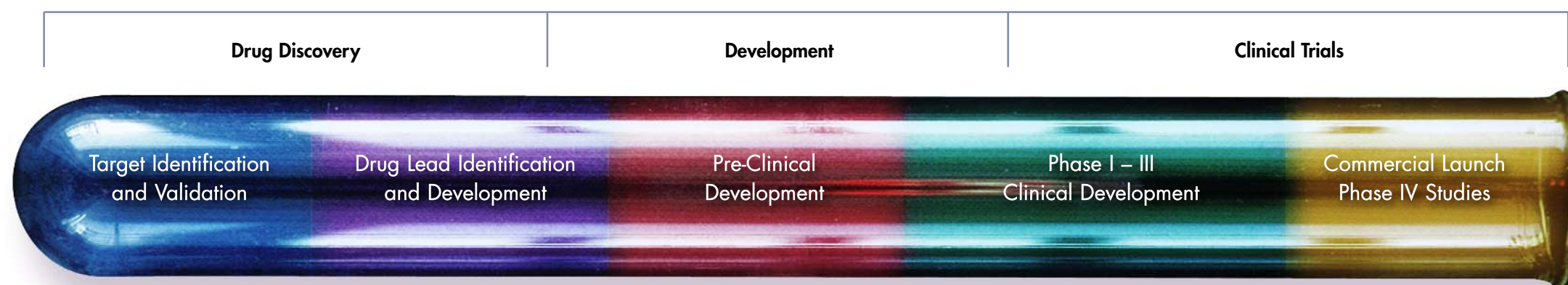
QIAGEN is the worldwide market leader in sample and assay technologies. With over 20 years in the development and commercialization of advanced product solutions in genomics and proteomics, QIAGEN provides value to its customers through enabling, integrated technologies in sample management, systems biology, assays, and molecular diagnostics. Our integrated technology solutions enable the advancement of drug and vaccine discovery and clinical development programs in the emerging era of Translational Medicine, where the prospective use of genomic information is becoming increasingly important in the discovery and clinical assessment of new targeted medicines to improve human health.

Your Consultative Partner – Listening, Planning Solutions, Delivering Results

QIAGEN stands for value far beyond our high quality, reliable products. We are engaged across the globe with pharmaceutical, biotechnology, and clinical research networks in partnership to provide tailored solutions of the highest caliber. Our partners entrust our knowledge, experience, and capabilities to ensure their programs are delivered on time with assurance of performance.

- Dedicated offering of sample management and assay solutions from molecular pathway to patient
- Custom assay development capabilities to accelerate biomarker discovery, clinical utility, validation, and formatted assay production and quality control
- Integrated reagent and automated instrumentation platforms for efficient and standardized collection, stabilization, purification, and assay set-up of DNA, RNA, and protein from any biological sample
- Innovative RNAi, gene expression, genomic DNA, and proteomic products to accelerate systems biology-based drug discovery and development
- Extensive assay panels in molecular diagnostics with regulatory compliance and intellectual property “freedom to operate” for PCR applications
- Early access programs for leading new technologies and applications
- Expert product and service knowledge and consultative support to assist our customers with their specific program goals

We are committed to focusing on the specific needs, challenges, and inter-dependent requirements our customers face along the drug discovery and development value chain. We ensure that our technology solutions result in true advancements toward more efficient and standardized drug and vaccine development for our customers.



Integrated Technology Solutions

Sample Management Technologies

Comprehensive solutions for access to nucleic acid content

- PAXgene™ technology for blood collection and stabilization of RNA and DNA
- Complete solutions for automated purification of DNA and RNA
- Protocols for blood, bone marrow, saliva, urine, cells, tissues, viruses, bacteria
- Process standardization between laboratories and clinical sites

Gene Silencing Technologies

Broad technology portfolio for gene silencing and pathway analysis

- Validated siRNA sets for human, mouse, and rat genomes
- Whole genome and druggable genome siRNA sets
- GeneGlobe™ bioinformatic database for efficient siRNA selection and matched assays
- Comprehensive siRNA sets for critical enzyme and receptor pathways
- micro-RNA product solutions and RNAi controls

Gene Expression Technologies

QuantiTect® technology — guaranteed performance in gene expression analysis

- Real-time quantitative RT-PCR kits and systems
- Genome-wide Quantitect Primer Assays
- Gene-specific products for human and animal models
- Quantitative multiplex PCR and RT-PCR products
- Protocols and applications spanning multiple detection platforms

Genomic DNA Technologies

Tools for the advancement of clinical genomics

- REPLI-g® whole genome amplification products
- Epigenetic and DNA methylation analysis solutions
- Haplotype specific DNA purification systems
- PAXgene technology for blood collection and stabilization of RNA and DNA

Proteomics Technologies

Enabling technologies for the study of protein structure, design, function, and clinical utility

- Complete systems for protein expression, purification, crystallization, detection, and assay
- Protein fractionation kits and systems
- Glycoanalysis technologies
- Solutions for access to low-abundant protein content
- Mass Spec on-chip solutions for protein prep and MALDI-MS Analysis
- Gene Globe xMAP LiquiChip protein analysis

Molecular Diagnostics and Assay Development

Enabling the advancement of promising molecular markers of disease from discovery to clinic

- PCR/quantitative PCR and RT-PCR platforms
- Custom biomarker assay development
- Viral, bacterial, and pathogen assays for antiviral/vaccine development
- Infectious disease clinical diagnostics

Integrated Automated Solutions

Complete platform solutions for systems biology workflow integration and process standardization

- Efficient access to DNA, RNA, and protein content
- Integration of sample collection and stabilization, with automation of purification, modification, and analysis
- Integrated system installation set-up and qualification
- Extensive range of clinical sample protocols
- Low to high throughput
- Global instrumentation service and support

The QIAGEN Partnership — Global Service and Support

Uniquely positioned to assist our pharmaceutical, biotechnology and clinical network customers with integrated technology solutions across the globe...

R&D Laboratories

- Europe and North America
- Dedicated research and development teams
- Expert support — DNA, RNA, RNAi, protein, and molecular diagnostics
- Protocol and assay development
- Process integration specialists

Applications Laboratories

- Europe, North America, and Asia
- R&D and clinical protocol applications support
- Biological/clinical sample management applications
- All QIAGEN instrumentation platforms
- Complete range of PCR and quantitative PCR detection platforms

Manufacturing

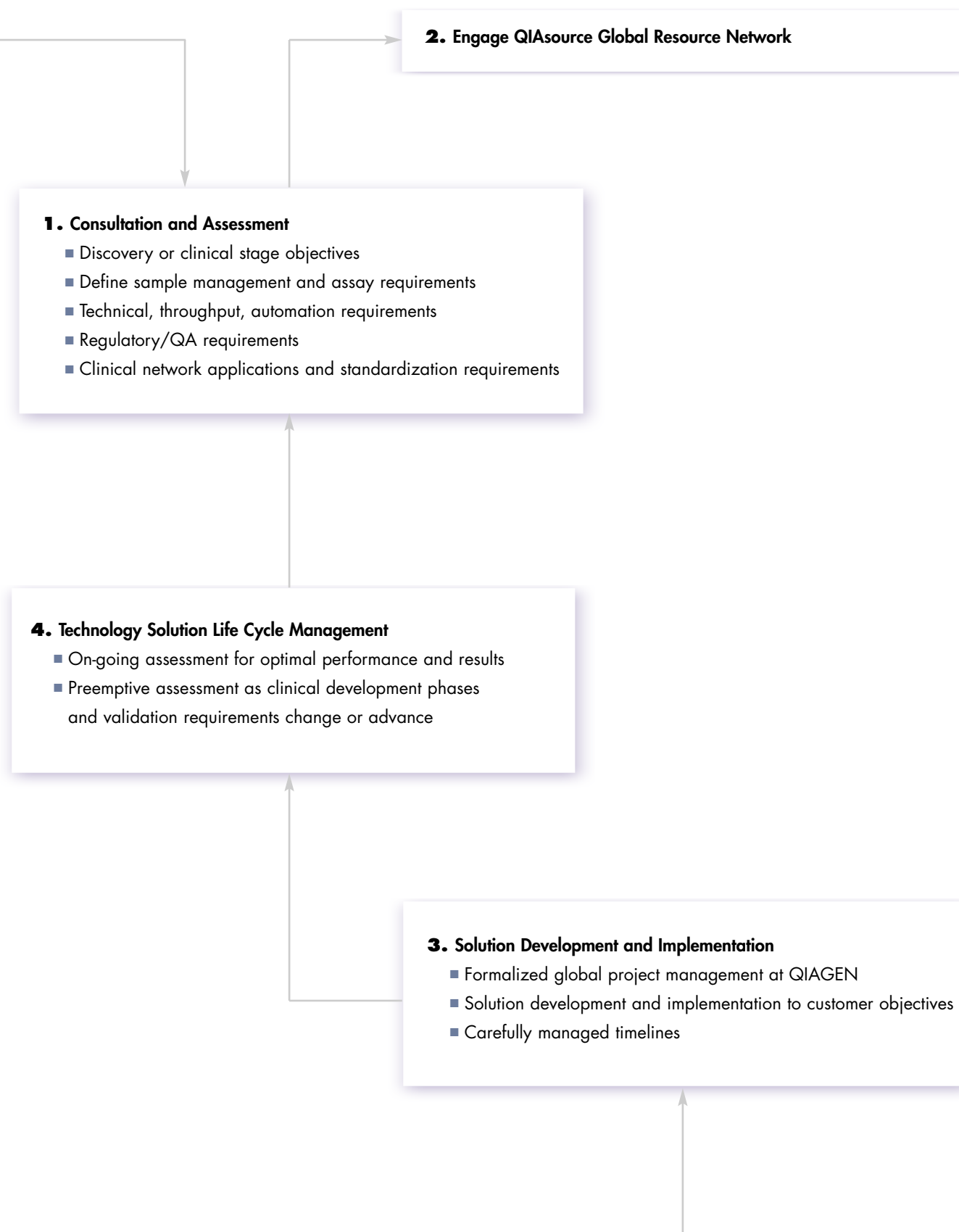
- Global operations
- cGMP manufacturing of regulated products
- Customized and special products — flexibility to meet unique requirements
- Scale-up support
- Lot qualification and reserves

QC/QA/Regulatory Affairs

- Global quality standards for excellence
- Protocol standardization
- QC/QA documentation to meet all requirements in clinical development
- CE/IVD molecular diagnostic products
- Application of ICH and Pharmacogenomic guidelines in partnership with industry
- Protocol standardization
- Intellectual property – freedom to operate

Customer Satisfaction

- Global technical service and support
- 11 languages covering the Americas, Europe, and Asia
- Ph.D. level technical support in molecular biology and life science disciplines
- E-commerce procurement solutions; 24/7 web and FAX ordering





QIAsource™
...In Partnership with Our Clients

Improving the rate of successful drug approvals through new operating paradigms of translational medicine R&D presents pharma with new and unique challenges – integrating discovery and clinical development sciences, systems, and information flow. With an emphasis on understanding the applied use of genomic and proteomic technologies in drug research and clinical trial settings, QIAGEN recognizes the value of partnership in addressing these new challenges, and is organized to provide expert support and service to our clients for robust sample and assay solutions across the drug R&D continuum. Through QIAsource, we work in partnership with our clients to:

- Comprehensively assess the technology and process needs and goals of your drug or vaccine development program(s)
- Engage a cross-functional team of QIAGEN's technical, operational, and quality/regulatory experts as required based on the scope and stage of your project
- Standardize sample collection, stabilization, purification, and assay protocols and processes across multiple sites, global locations, and clinical trial networks
- Develop and implement integrated product and technology solutions that address specific needs, problems, and unique requirements in sample management workflows, pharmacogenomics, molecular diagnostics, and proteomics applications

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Canada Orders 800-572-9613 Fax 800-713-5951 Technical 800-DNA-PREP (800-362-7737)

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