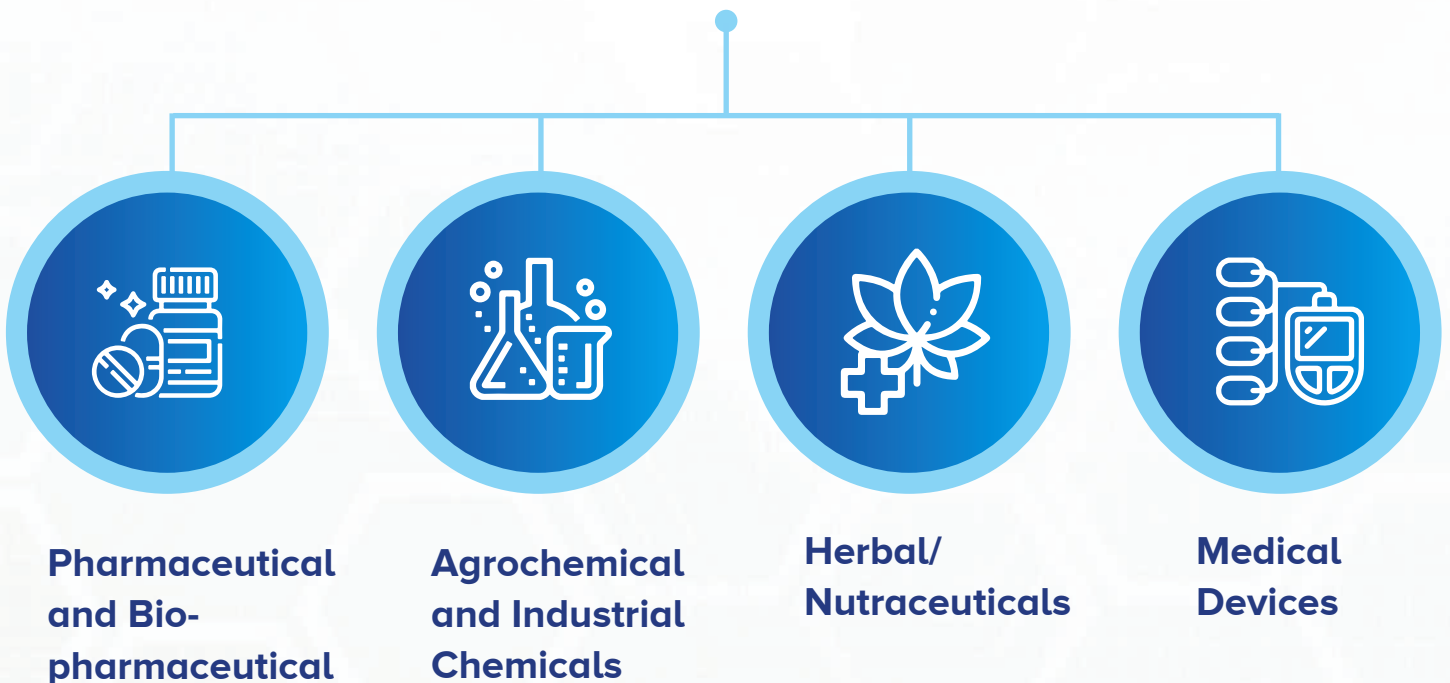


Accelerating End to End Development of Large Molecules & Biosimilars

Veeda Group Overview

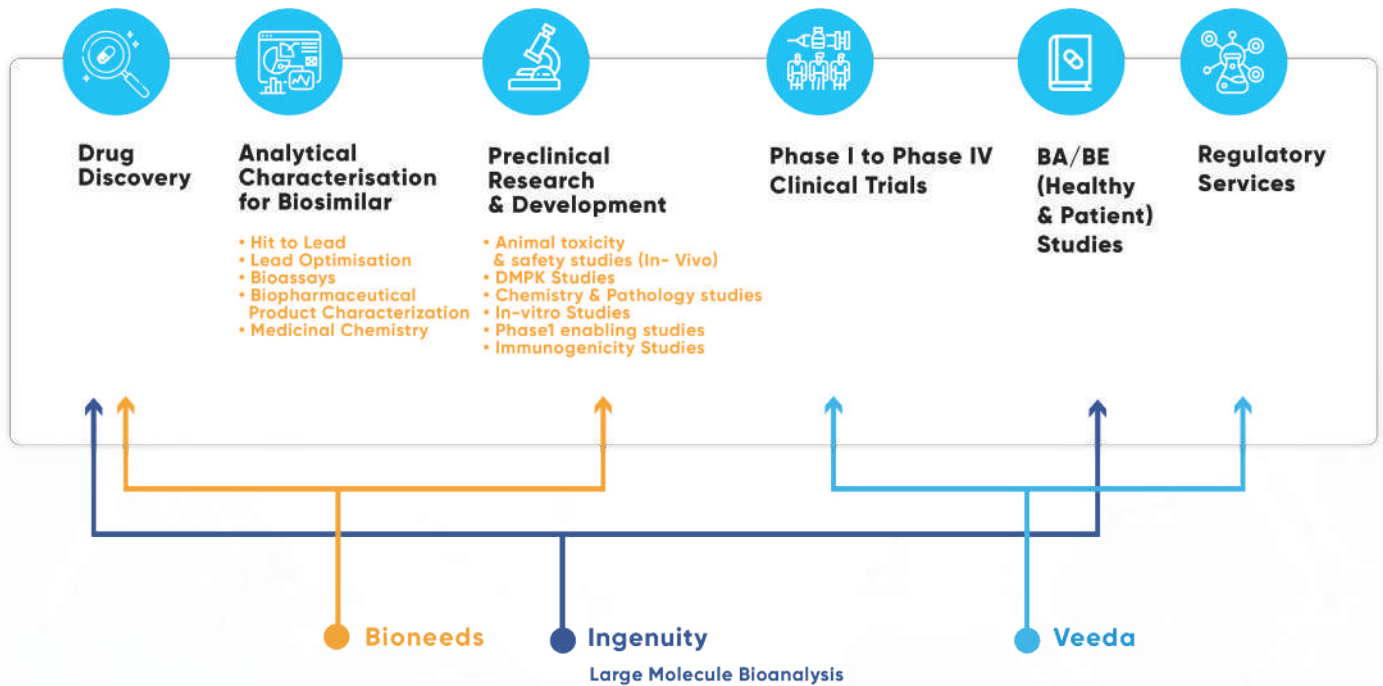
Veeda Clinical Research Limited (“Veeda”) together with its subsidiary, Bioneds India Private Limited (“Bioneds”), and its joint venture, Ingenuity BioSciences Private Limited (“Ingenuity”), (together referred to as the “Veeda Group”) offers a comprehensive portfolio of clinical, preclinical and bio/analytical services to support innovator, biosimilar and generic drug development programs of our global clientele. We are an independent, institutional investors owned, Board governed and professionally managed contract research group offering scientific leadership, global quality management systems and long term operational and financial stability through a continuing investment in our people, processes, systems, infrastructure and technology and a deep commitment to quality.

Together, we serve clients globally in the following industries



The group entities offers distinct services, both as independent modules as well as integrated services

Assisting you the right way in your entire Drug Development Journey



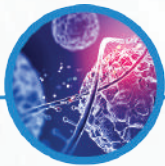
Quality driven, responsive partner with deep scientific and regulatory expertise in the area of Large Molecule Bioanalysis (including Vaccine)

Ingenuity BioSciences is a joint venture formed by Veeda Clinical Research and Somru BioScience, combining the best of each parent organizations clinical trials and laboratory services capabilities

Our Footprint

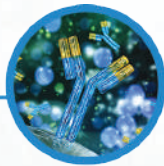


Our Services and Capabilities



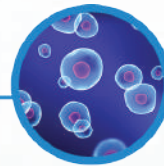
PK

- Biosimilar
- Biologics
- Cell and Gene Therapy



Immunogenicity

- ELISA
- Cell-based Nab
- ELISpot



Biomarker

- Gene Expression
- Protein Expression
- Cellular Profiling
- Cell-based Functional

Multidimensional understanding of the disease biology



Disease etiology/ pathogenesis



Unbiased clinical outcome

Advanced Analysis of Biosimilars with Proven Expertise

In-depth Expertise

- Approximately 122 validated methods supporting 70 biosimilar/bio-better molecules

- US FDA, EMA and Health Canada

Global Regulatory Landscape Experience

Key Milestones - 2022

- New Laboratory with Cell-based Assay Capabilities
- Implementation of MSD platform
- Automation

Cell and Gene Therapy

Immunology Assays



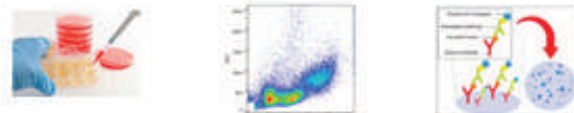
ELISA/ Amplatto™

- Anti Drug Antibodies (ADA) – viral and transgene
- Protein expression measurement

MSD

- Cytokine release assay

Cellular/ Functional Assays



Cell Based Assays

- Neutralizing antibody assays

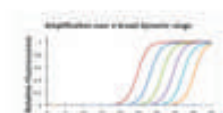
Flow Cytometry

- CAR expression on cell surface
- Quantitation of CAR positive T-cells

ELISpot

- CD4 and CD8 specific T-cell responses
- PD biomarker

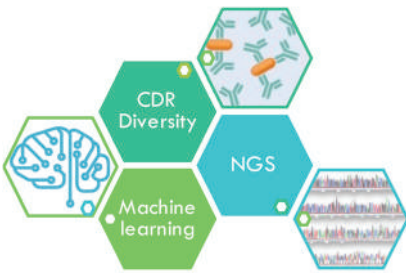
Molecular Biology Assays



qPCR

- Pharmacokinetic
- Biodistribution and shedding
- Vector and transgene

Innovative Technologies to Support Bioanalysis

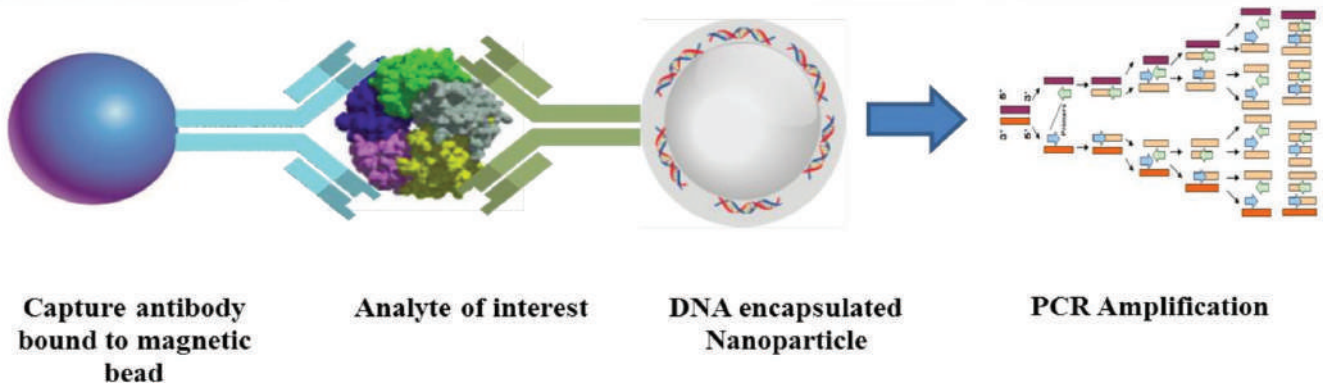


mAbY™

- Recombinant antibody discovery platform
- Discover rare and novel antibodies
- Faster discovery
- High-throughput repertoire mining
- Rational antibody design

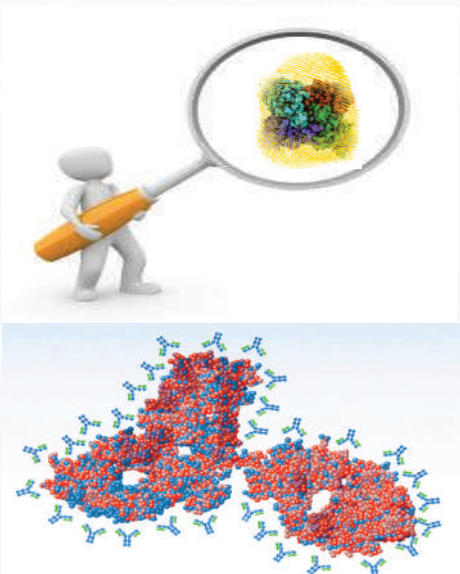
Amplatto™ - Ultrasensitive Immuno-PCR platform

- Combines traditional immunoPCR workflow with proprietary nanoparticle technology to enable the detection of analyte with unparalleled sensitivity and accuracy

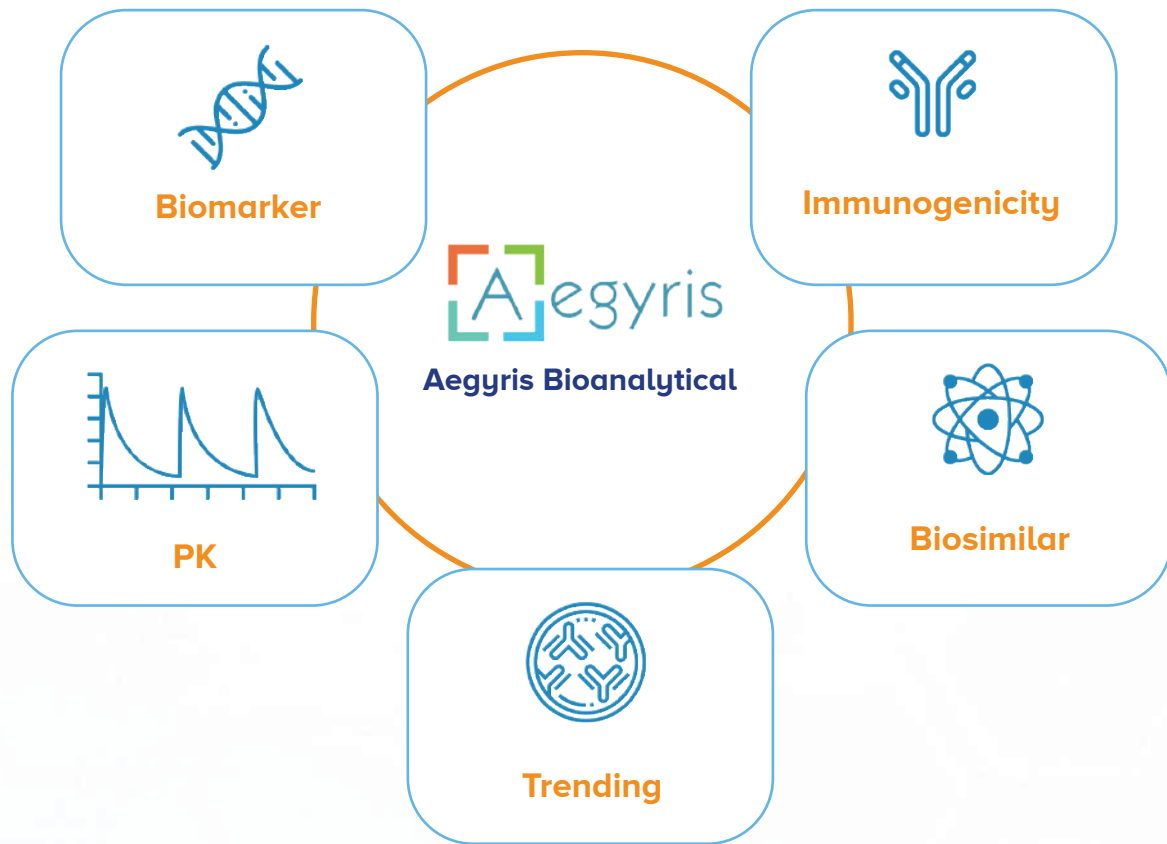


Intelli.b™ - Biosimilar Characterization Solutions

- Platform based on more than 1000 antibodies generated against various innovator drugs
- The antibodies bind to innovator and biosimilar products in an ELISA based system to generate “meaningful finger-print-like analysis”
- This fingerprint is supported by an intelligent library to generate meaningful and actionable interpretation



Cutting edge cloud-based **Aegyris™** that can save up to 70% of time and costs in method validation support activities



Our Infrastructure Capabilities

Equipment and Software

- Microplate reader
- Microplate washer
- BOD incubator
- Deep Freezer (-20°C ± 5°C)
- Refrigerator
- Aegyris™

Critical Instruments and Monitoring

- BD FACSLytic Flow cytometer
- Shimadzu Nexera UHPLC and HPLC
- Q Exactive Orbitrap Mass Spectrometer -LC-MS/MS
- ICP-MS
- 2D Electrophoresis- BioRad
- Plate Readers Softmax Pro and Biotek
- Real time PCR- Thermo Fisher
- Bioreactors (5 lts)
- Ekta Purification system
- Gas Chromatography
- Stability Chambers

LC MS Capabilities

- Q Exactive Orbitrap Mass Spectrometer
- UHPLC – Front End
- Software components
 - Xcalibur 4.0.2719 (Thermo Fisher Scientific Inc.)
 - Biopharma Finder 2.0 Data Analysis Software



Simplifying Immunogenicity Assessment of Biotherapeutic Products - Validated PK & ADA Methods List

PK METHODS

Abatacept (Orencia®)	Human Insulin
Abciximab (Reopro®)	Ibritumomab tiuxetan (Zevalin®)
Adalimumab (Humira®)	IGF-1 (Increlex®)
Aflibercept (Eylea®)	Imiglucerase (Cerezyme®)
Alemtuzumab (Campath®)	Infliximab (Remicade®)
Basiliximab (Sumulect®)	Insulin Aspart (Novolog®)
Bevacizumab (Avastin®)	Interferon beta-1a
C1-inhibitor (Berinert®)	Ipilimumab (Yervoy®)
Certolizumab pegol (Cimzia®)	mPEG
Cetuximab (Erbix®)	Muromonab-CD3 (Orthoclone OKT3)
Copaxone	Nivolumab (Opdivo®)
Daclizumab (Zenpax®)	Obinutuzumab (GAZYVA®)
Darbepoetin Alpha	Octreotide
Denosumab	Ofatumumab (Arzerra®, HuMax-CD20)
Eculizumab(Soliris®)	Omalizumab (Xolair®)
Efalizumab (Raptiva®)	Palivizumab (Synagis®)
Erythropoietin (Epogen®)	Panitumumab(Vectibix®)
Etanercept (Enbrel®)	Pegfilgrastim (Neulasta®)
Etanercept (Enbrel®) FREE	Pegylated Proteins
Exendin-4 (Exenatide®)	Pembrolizumab (Keytruda®)
Factor VIII	Pertuzumab (Perjeta®)
Filgrastim (Neupogen®)	PTH (1-34) – Teriparatide
Folicle Stimulating Hormone	Ranibizumab(Lucentis®)
Gemtuzumab ozogamicin (Mylotarg®)	Recombinant Human Hyaluronidase (rhuPH20®)
Glargine (Lantus®)	Rituximab (Rituxan®)
Glargine (Lantus®) solution phase	Sargramostim (Leukine®)
Glucagon (GlucaGen®)	Secukinumab (Cosentyx)
Growth Hormone Releasing	Tositumomab (Bexxar®)
Hepatitis B Immune Globulin (HepaGam B®)	Trastuzumab (Herceptin®)
Hormone (Sermorelin®)	Vedolizumab (Entyvio®)

ADA METHODS

Abatacept (Orencia®)
Abciximab (Reopro®)
Adalimumab (Humira®)
Aflibercept (Eylea®)
Alemtuzumab (Campath®)
Alpha1-Antitrypsin (Prolastin®)
Basiliximab (Sumulect®)
Bevacizumab (Avastin®)
C1-inhibitor (Berinert®)
Certolizumab pegol (Cimzia®)
Cetuximab (Erbix®)
Copaxone
Daclizumab (Zenpax®)
Darbepoetin Alpha
Denosumab (Prolia®)
Eculizumab (Soliris®)
Efalizumab (Raptiva®)
Erythropoietin (Eprex®)
Etanercept (Enbrel®)
Etanercept (Enbrel®)
Exendin-4 (Exenatide®)
Factor VIII
Filgrastim (Neupogen®)
Folicle Stimulating Hormone
Gemtuzumab ozogamicin (Mylotarg®)
Glargine (Lantus®)
Glargine (Lantus®) solution phase
Glucagon (GlucaGen®)
Growth Hormone Releasing
Hepatitis B Immune Globulin (HepaGam B®)
Hormone (Sermorelin®)
Human Insulin
Ibritumomab tiuxetan (Zevalin®)
IGF-1 (Increlex®)
Imiglucerase (Cerezyme®)
Infliximab (Remicade®)
Insulin Aspart (Novolog®)
Interferon beta-1a (Avonex®/Rebif®)
Ipilimumab (Yervoy®)
mPEG
Muromonab-CD3 (Orthoclone OKT3)
Nivolumab (Opdivo®)
Obinutuzumab (GAZYVA®)
Octreotide
Ofatumumab (Arzerra®),
HuMax-CD20)
Omalizumab (Xolair®)
Palivizumab (Synagis®)
Panitumumab (Vectibix®)
Pegfilgrastim (Neulasta®)
Pegylated Proteins
Pembrolizumab (Keytruda®)
Pertuzumab (Perjeta®)
PTH (1-34) – Teriparatide
Ranibizumab (Lucentis®)
Recombinant Human Hyaluronidase
Rituximab (Rituxan®)
Sargramostim (Leukine®)
Secukinumab (Cosentyx)
Tositumomab (Bexxar®)
Trastuzumab (Herceptin®)
Ustekinumab (Stelara®)
Vedolizumab (Entyvio®)

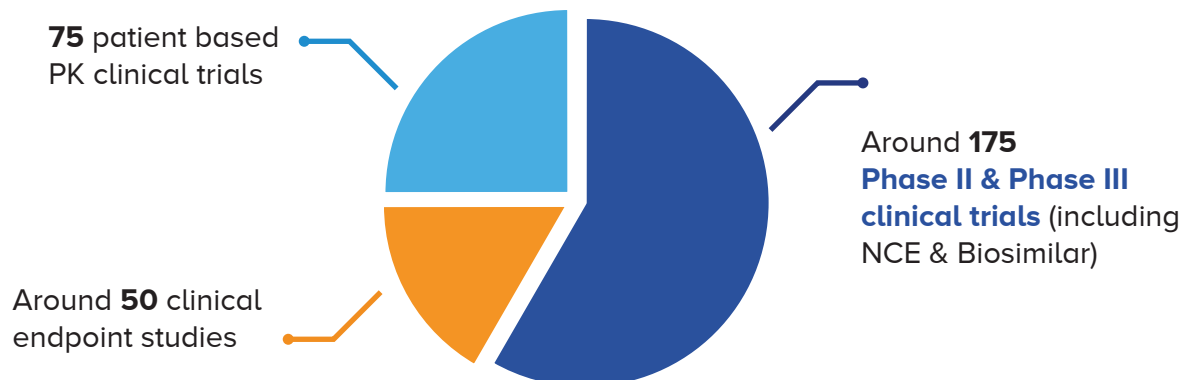
Charting the course for Early to Late Phase Clinical Development

We cater to key therapeutic areas including:

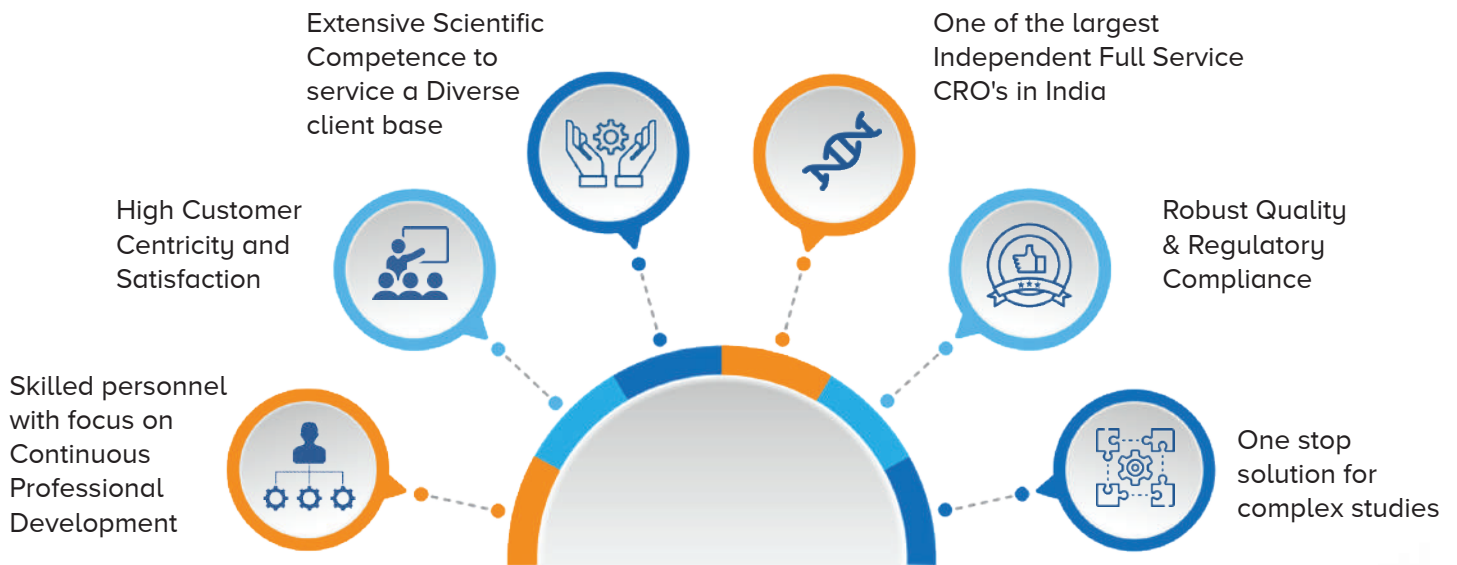


Combined Team Experience in Clinical Trials

More than **300** clinical trials that includes



Veeda Group Advantage



Veeda's Vision

In an industry where innovation is increasingly multifaceted and collaborative, we aspire to be the research partner of choice for innovative (bio) pharmaceutical companies worldwide for their critical product development programs.



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