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Corporate Overview





Veeda Group

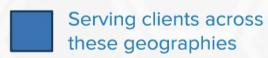
- Veeda Clinical Research Limited ("Veeda") together with its subsidiary, Bioneeds India Private Limited ("Bioneeds"), (together referred to as the "Veeda Group") offers a comprehensive portfolio of clinical, preclinical and bio/analytical services to support innovator, biosimilar and generic drug development 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:
 - Pharmaceutical and Biopharmaceutical
 - Agrochemical and Industrial Chemicals
 - Herbal/ Nutraceuticals
 - Medical Devices

Our Global Foot Print















Corporate Philosophy



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



Mission

To be the pre eminent independent Indian contract research Organization, with global execution capabilities, distinguished by the breadth of our services and by excellence in the quality of our Scientific and regulatory knowledge Research design, execution and insights and Client centricity

Our Values











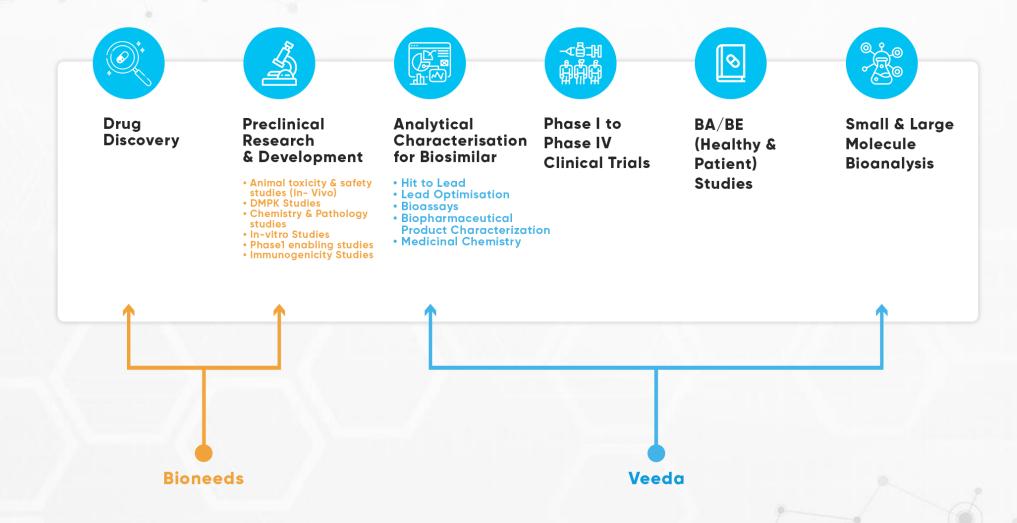
Drug DevelopmentServices Overview



Drug Development Journey











Preclinical Research & Development



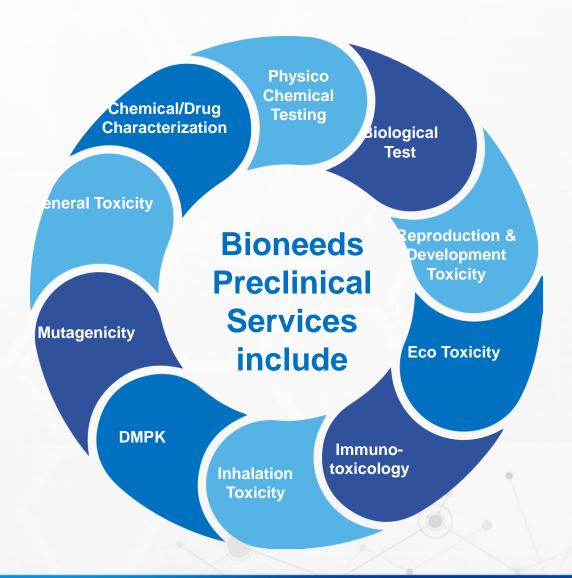
Bioneeds





A Bangalore based Preclinical Contract Research Organization providing Integrated Discovery, Development and Regulatory Services for more than 12 years

- A trusted Preclinical CRO providing comprehensive services for Pharma, Biopharma, Medical devices & Agrochemicals
- Bioneeds has successfully delivered 300+ impurity qualification package studies & has experience in 8000+ GLP Studies
- Team of 300; 80% M.Sc; M.Pharm; M.VSc; 13% PhD, 2 DABT, 3 Veterinary pathologists(board certified); 50 + experienced study directors
- Global client base of 410+ spanning from big pharma, small biotech's to research / academic institutions



Accreditations & Certifications:





- GLP certified test facility and Accredited by the AAALAC International
- ISO 17025 accredited by the NABL (National Accreditation Board for testing and calibration laboratories)
- Research and Development (R&D) unit recognized by Department of Scientific and Industrial Research (DSIR)
- CPCSEA Registered Committee for the purpose of control, and supervision of experiments on animals (CPCSEA), ministry of environment, forests, and climate change, GOI

Infrastructure

Vivarium with 85 exclusive animal rooms built as per international standards Cutting edge drug and development labs to support biology, in vivo pharmacology, pharmacokinetics, toxicology, medicinal chemistry, custom synthesis, process R&D, cGMP manufacturing, formulation and analytical development support services.

Best-in-class infrastructure in a 2,00,000 Sq. ft. built-up area equipped with state-of-the-art facilities

Well-equipped In vitro cell culture and microbiology laboratory

Also, synthetic chemistry and BioPharma laboratories are housed in our Peenya facility spanning about 50,000 Sq. ft area.

World class Inhalation units to support toxicology studies

Quality Framework





"Our management is committed to continuous improvement in the effectiveness of our Quality culture, to providing quality research solutions that meet sponsor and regulatory requirements and to protecting the rights, safety and well being of the study volunteers"



Focus on implementing policies & nurturing individual behavior to sustain our culture of quality



Balanced Score Cards (BSC) for augmenting corporate strategy



Quantifiable Performance Metrics for all departments



Individual KPI's & KRA's linked to BSC



Continuous process improvement

Regulatory Credentials





- 101 successful regulatory audits till date
- 15 successful regulatory audits in the last year.

| US FDA | → | 51* | ANSM — 1 |
|------------------|----------|-----|---|
| MHRA | → | 4 | AGES \longrightarrow 5^* |
| ANVISA | → | 8 | MCC → 1 |
| WHO | → | 6 | DCGI → 19 |
| NPRA Malaysia | → | 5 | BfArM / CBG - 1 *FDA: 27 AUDITS FOR PATIENT 24 AUDITS FOR HEALTH |

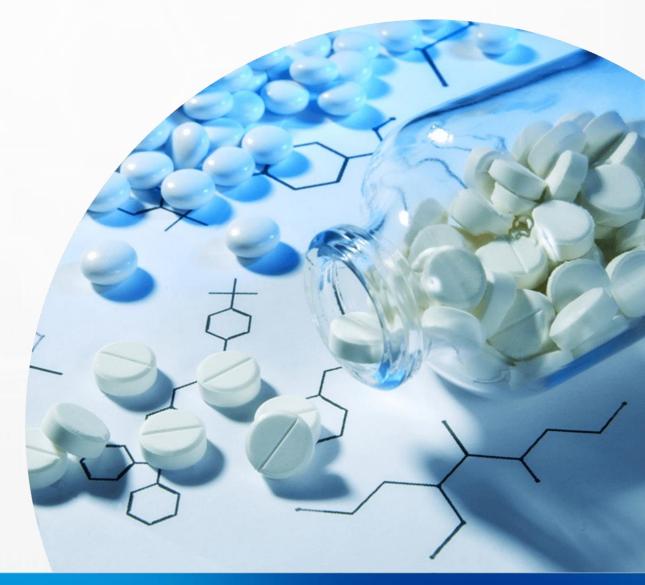
NT BASED STUDIES 24 AUDITS FOR HEALTHY SUBJECTS STUDIES

AGES: 2 AUDIT FOR PATIENT BASED STUDIES 3 AUDITS FOR HEALTHY SUBJECTS STUDIES





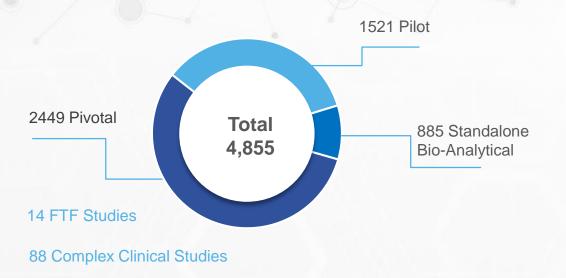
Bioavailability & Bioequivalence Studies



Experience







75 Special Studies

*Both Pilot and Pivotal BA/BE

16 Glucose Clamps studies (1322 clamps)

36 Inhalation Studies

8 Suppositories

15 Patches Studies

27 Phase – I Studies 1 Phase – II Study

Volunteer Database (More than 85,487)

Female Volunteers - > 5,723

Elderly Males – 13,440

Post - Menopausal Females - > 3,799

Routes of Administration





















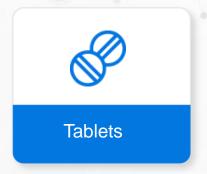




Different Formulations



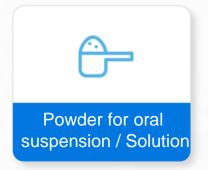




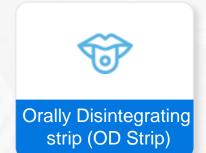






















Infrastructure





VEDANT

Clinical, Bio-analytical facility

SATYAMEV CORPORATE PARK

Corporate Office Bio-analytical facility

SHIVALIK

Dedicated Clinical facility

MEHSANA

Clinical and Screening facility

SKYLAR

Common screening facility for both Shivalik and Vedant

INSIGNIA

Dedicated Bio-analytical facility

ARCHIVES

Archival area in each facility. Separate archival facility at Changodar

Spread across 16 clinics



Mehsana

162 Beds +

7 Special care beds





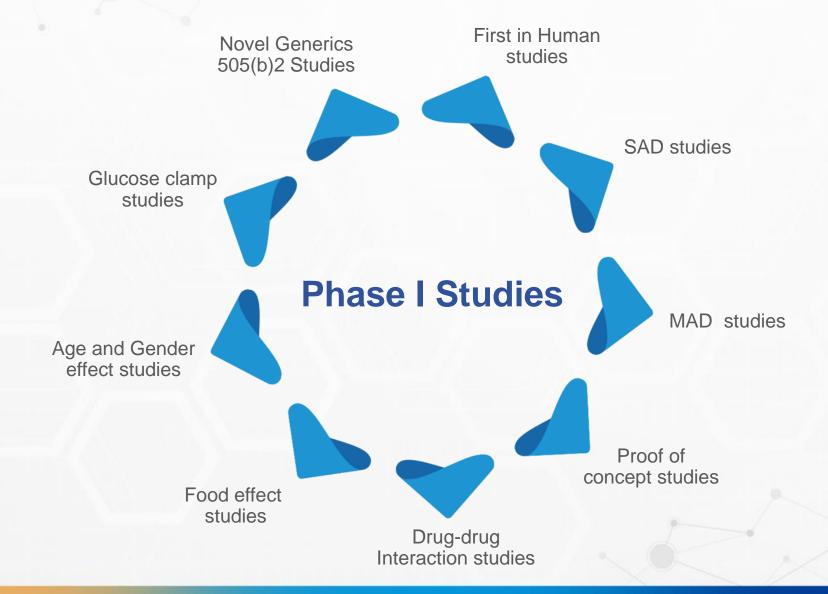
Early to Late Phase Clinical Trials



Phase I Trial Experience







Therapeutic Areas Of Expertise







Cardiology



Rheumatology



Dermatology



Ophthalmology



Gynecology



Gastroenterology



ENT



Oncology



Psychiatry



Respiratory



Endocrinology





Clinical Trial Services

Medical Writing
- Protocol, ICF, IB,
Study Report etc.

Safety
Database and
Pharmacovigilance

Conducting
Feasibility &
Site Set up
activity

Data management,
Biostatistics including
eCRF capabilities

Clinical Trial Services

Regulatory Services
Application processing
Technical presentation
-Liasioning

Pharmacy and
Laboratory services
including PK and
Immunogenicity
analysis capabilities

Site Monitoring, Project Management &Safety Monitoring,

Our Patient Trials Capabilities





Our in-depth of experience, capabilities and experienced project team enables us to deliver high-quality and timely outcomes for your clinical studies.

55+ Patient bioequivalence studies

5,000+

Patients

500+ Sites

12

Phase Trials Anti-COVID-19 vaccine SARS-Cov-2 infection in Healthy subjects— 1600 subjects

THERAPEUTIC EXPERTISE

Infectious disease

Ophthalmology Rheumatology

Oncology

Psychiatry

900+ Investigator Database

21+

Ongoing Studies

- 3 Phase I/II/IIa studies
- 15 Patient PK studies
- 3 Clinical end point studies

Successfully completed 27 USFDA inspections across sites without 483 observations.

Successfully Completed EMA inspections across 02 sites.

Phase Study Experience





| Type of Study | Therapeutic Area | Indication | Submission | Number of subjects |
|--------------------|-------------------------|---|---------------|--------------------------------------|
| Phase I | Oncology | Colon or pancreatic cancer | DCGI | 45 |
| | Oncology | Relapsed Advanced Tumors and classical Hodgkin Lymphoma (cHL) | USFDA | 130 |
| | Infectious disease | SARS- CoV-2 Infection | DCGI | 60 |
| Infectious disease | | COVID-19 | USFDA | 112 |
| Antiretro viral | Antiretro viral | HIV positive patients | DCGI | 30 |
| Phase II | Infectious disease | Covid -19 Vaccine | DCGI | 1600 |
| Infectious disease | | HIV positive patients | DCGI | 18 |
| | Respiratory/Dermatology | Atopic dermatitis, Psoriasis (Ongoing) | POC for USFDA | Up to 30 patients in each indication |
| | Antiviral | Pocapavir + Imocitrelvir | POC for USFDA | - |

Team Experience in Clinical Trials





| Sr. No. | Area | Indication | Regulatory Submissions |
|---------|---------------------|--|-----------------------------|
| 1 | Psychiatry | Major Depressive Disorder, Schizophrenia, Bipolar disorder, Bipolar I depression | USFDA, EMA and DCGI |
| 2 | Medical Devices | CAD, Arrhythmia, Heart failure, Uncontrolled hypertensions, | USFDA & DCGI |
| 3 | Cardiology | Hypertension, Ischemic cardiomyopathy, CVD, ACS | USFDA, EMA and DCGI |
| 4 | Endocrinology | DM-I, DM-II, Diabetic nephropathy | USFDA, EMA and DCGI |
| 5 | Oncology | Advanced Ovarian Cancer, Metastatic breast cancer, Renal Cell Carcinoma, Multiple Myeloma, Colorectal Cancer, Solid Tumors / Lymphoma, NSCLC, Cervix Cancer, | USFDA, EMA, ENVISA and DCGI |
| 6 | Respiratory | Asthma, COPD | USFDA & DCGI |
| 7 | Dermatology | Atopic dermatisis, Oral lichen planus, Dermatomycoses | DCGI |
| 8 | Nephrology | CKD, Urinary tract infection and pyelonephritis | USFDA & DCGI |
| 9 | Gastroenterology | Arsenic Poisoning, GERD, Constipation, Ulcerative Colitis | USFDA & DCGI |
| 10 | Infectious diseases | Bacterial Infection, Skin Infection, Hepatitis B Infection | USFDA & DCGI |
| 11 | Ophthalmology | Chronic Open Angle Glaucoma, Ocular Hypertension | USFDA & DCGI |
| 12 | Neurology | Epilepsy, Seizures | DCGI |
| 13 | Vaccine | Rabies, Leishmaniasis & serious fungal infections | DCGI |
| 14 | Orthopaedic | Psoriasis and Rheumatoid Arthritis& Osteoporosis | USFDA & DCGI |

Veeda's Investigator & Sites Database





| Therapeutic Area | Investigators Database | No. of sites associated with Veeda |
|-------------------------------|-------------------------------------|------------------------------------|
| Oncology | 150 Oncologists | 90 sites |
| Psychiatry | 90 Psychiatrists | 35 sites |
| Orthopaedics and Rheumatology | 72 Orthopaedics and Rheumatologists | 25 sites |
| Infectious Disease | 79 MD Physicians | 25 sites |
| Dermatology | 87 Dermatologists | 40 sites |
| Cardiology | 20 Cardiologists | 35 sites |
| Opthalmology | 90 Ophthalmologists | 40 sites |
| Urologist | 27 Urologists | 12 sites |
| Nephrology | 66 Nephrologists | 15 sites |
| Pulmonology | 80 Pulmonologists | 40 sites |
| Gastroenterology | 45 Gastroenterologists | 10 sites |
| Endocrinology | 38 Endocrinologists | 20 sites |
| Hematology | 16 Hematologists | 15 sites |
| ENT | 35 ENT Specialists | 10 sites |
| Gynaecology-Obs | 70 Gynaecologists | 20 sites |





Bioanalytical Research



Infrastructure





Scale and Range

- 54 LC-MS/MS machines
 - Insignia (31), Vedant (16) and Satyamev(07)
 - API 6500/5500/4000/4500/3200/3000/2000
 - Shimadzu 8060/8050/8040
 - Quattro Premier
- 2 ICP-OES
- Watson LIMS
- BSL-2 Laboratory

Storage Capacity



Plasma Sample:

- 41 Deep freezers of -80°C (1 M samples capacity) and 12
 Deep freezers of -20°C (0.15 M samples capacity)
- 01 Cold Room -20C (0.3 M samples capacity)



IP Storage:

- 6 Walking type stability chambers with overall capacity to store 74,000 Ltr for retention at room temperature
- 5 Humidity chambers with overall capacity of 4,200 Ltr
- 4 Pharmaceutical refrigerators having storage capacity of 11,350 Ltr at 2-8 °C

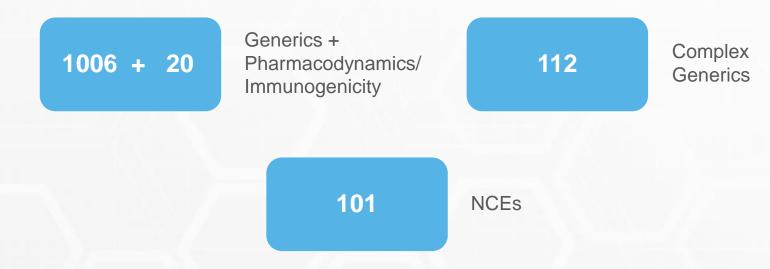
Experience





Capabilities

Total available Bioanalytical methods are more than 1239



Salient Features

- Average processing capacity of 1,00,000 samples per month
- Central Bioanalytical Laboratory for global Phase II/ Phase III trials

Types of Methods

- Capability to develop methods with lowest quantification level- up to 0.1 pg
- Methods developed for:
 - Endogenous molecules
 - Amino Acids (Multiple analysis in single injection)
 - Hormones
 - Steroids
 - Inhalation formulation
 - Elemental Bioanalysis (Other
 - matrix- Urine)
 - Immunogenicity
 - Large molecules/ECLIA/ELISA
 - Chiral and Liposomal
- Tissue distribution studies.

Central Bioanalytical Lab Services





Dedicated team for Central Lab Services

- Project Manager
- Sample management team (BRD custodians)
- Kits & Logistics coordinator
- Analytical Team (PK analysis based on projects)
- Watson Team





Central Bioanalytical Lab Experience

1. Multicenter study (which involved more than 35 sites (150 subjects, 10 Analytes)

- Required screening sample analysis within 10 days from sample collection
- Estimated 10 analytes for this study- Total 4 bio-analytical methods
- Provided sample collection kits to all sites- within stipulated time

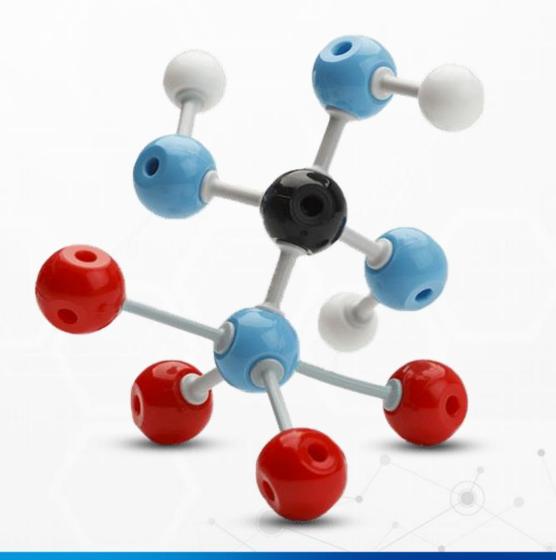
2. Sponsor- Global Pharmaceutical company

- Type of studies : NCE (Multisite)
- Total studies: More than 40 studies ongoing (from Multisites globally, 20000 samples per year)
- Services provided: Sample management, method development, method validation and analysis of NCEs
- Sample receipt to analysis within 5 days
- Sponsor specific reports with e-CTD
- More than 64 methods developed and validated for NCEs
- Exploratory studies, e.g. skin tissues, plasma protein binding experiment, chiral impurity estimation in the sample





Large Molecules Bioanalysis



Large Molecule Experience





Biosimilars

- Denusomab
- Pertuzumab
- Prembrolizumab
- Abatacept
- Adalimumab
- Etanacerpt
- Infliximab

Vaccines

- PCV
- HPV
- Hepatitis A
- COVID Vaccine
- Typhoid
- Pentavalent
- Hexavalent
- MMR

Therapeutic Proteins

- Filgrastim (I/III)
- Pegfilgrastim (I)
- Romiplostim (I)
- r-FSH (I/IV)
- Teriparatide (I)
- Erythropoetin (II/III)
- Darbepoetin

Large Molecule Studies Experience





- Insulin Aspart and C peptide
- Filgrastim
- PTH (Teriparatide)
- Denosumab
- Romiplostim
- r-FSH
- COVID Vaccine (Anti SARS CO2 Igg Titer)
- Enoxaparin: PD endpoint and Immunogenicity
- Ongoing Project Ustekinumab
- The average ISR value for the study which we have conducted is 94%

Vaccine Studies Experience





IgG Titer Studies:

- IgG Titre Clinical studies involve the measurement of human anti-SP/RBD IgG titers in human serum samples
- RBD Specific target
- Method optimization and Validation, followed by clinical studies

ELISPOT Studies:

- The enzyme-linked immunospot [ELISPOT] assay is a highly sensitive immunoassay that measures the frequency of
- · cytokine-secreting cells at the single-cell
- Expertise in PBMC isolation and culturing
- State-of-the-art infrastructure for ELISPOT assays

PRNT Studies: [Outsourced lab]

- Measures the levels of Neutralizing antibodies in an individual against SARS-CoV-2
- BSL3- Facility and scientific liaison between the client and the lab performing PRNT assay

In Pipeline: HI Assay (Influenza Vaccine)

Instrumentation and associated software





Globally recommended assay platforms and validated software used for harmonization of data

| Technology Platform | | Software |
|---|---|--|
| LCMS | Sciex Tandem Quad (1 nos) | Analyst/Sciex OS |
| ELISA | Molecular Devices (1 nos)Biotek Microplate (4 nos) | SoftMax Pro v 5.4.1Gen5 Secure v 3.03 |
| ECL | MSD Quickplex SQ 120 (1 nos) | Discovery Workbench v 4.0.12 |
| SPR | Biacore 1S + (1 nos) | Biacore Insight SoftwareBiacore Intelligent Analysis Software |
| Automated affinity purification and immunodepletion | KingFisher Flex (1 nos) | BINDIT software v 3.3.1 |
| Alphalisa | BMG Pherastar | MARS Data Analysis Software |
| Cell based | Cell culture laboratory | • PLA v 3.0 |
| Automation (for bulk STDs and QCs) | Integra Assist Plus (1 nos) | VIALAB Pipetting Automation Software |
| Data and sample movement | WATSON LIMS | • Version 7.7.1 SP1 |
| ELISPOT | AID VSPOT Spectrum | |
| Flow Cytometer | BD FACSLyric | BD FAC Suite Clinical Software |





Pharmacometrics Capabilities



Pharmacometrics Capabilities for Early Phase





Biostatistics Team

Trials

- The Head of biostat and a total of 5 trained biostatisticians, 10 SAS/statistical programmers and a dedicated CDISC team
- All with background in M.S. (statistics) and/or Ph.D and average 9 years of experience into statistical data analysis of early as well as late phase trials
- Bootstrapping/simulations, dose-response curve (Emax), PK-PD correlations, compartmental modelling
- A robust library of SAS programs for most types of studies, double-programing provision
- Publication experience into reputed journals
- Software/tools: SAS 9.4, Pinnacle 4.0.1, R and PASS (for sample size), latest validation suites

Pharmacometrics Capabilities for Early Phase





Pharmacokinetics Team

Trials

- The Head of PK and a total of 5 Certara (Phoenix WinNonlin) trained PK/PD scientists and pharmacokineticist
- All with background in M.S. in pharmacology/pharmaceutical sciences) and/or Ph.D and average 7 years of experience into PK/PD data analysis
- Experienced in data analysis of early phase trials (phase 1, food-effect, through QT, DDI, reanl/hepatic impair studies, PK/PD correlation)
- Quick turn around for interim analysis for SAD/MAD studies (2 days), blinded/unblinded analysis
- A strong publication record into PK/PD data analysis (a total of 18) by different team members
- Software/tools: Phoenix WNL version 8.3, R software, test license of NLME (for mixed effect)





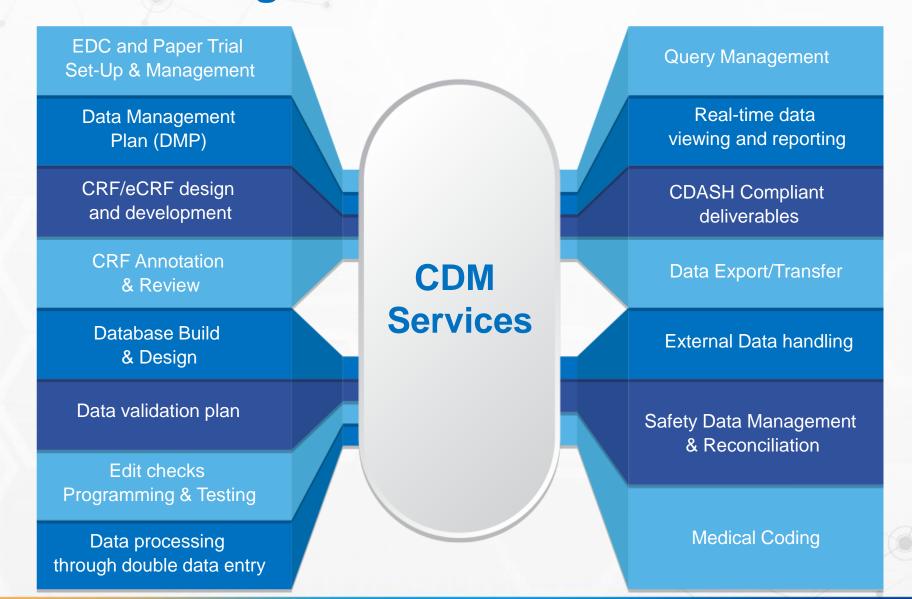
Biopharmaceutics& Data Science



Veedadiniral research.



Clinical Data Management Services



Biostatistics Capabilities







Key Strengths



Reconciliation and oversight



Periodic tracking



Timely Database lock

- Our team has experience in various statistical evaluations for
 - Design of experiment (DoE)
 - In-vitro population bioequivalence (PBE)
 - In-vitro equilibrium binding
 - Kinetic binding studies
 - Dose proportionality studies
 - Pharmacodynamics end point studies
- Our team also has expertise in the prediction and simulation analysis





Recognitions



Recognitions





Celebrating 19 YEARS

of excellence in Clinical Research

| Organization | Award Category |
|--|--|
| ASSOCHAM | Best Clinical Research Organization - India |
| Wellness | Clinical Trial Company of the Year |
| ECONOMIC GROWTH FOUNDATION Spend the scale spatial of a 100 | Bharat Udhyog Ratan Award in Clinical Research |

| Organization | Award Category |
|--------------|---|
| BioSpectrum | Top CLRO Company |
| Proxis Medio | Best Quality Clinical Research Services in India |

















| Organization | Award Category |
|---------------------------|--|
| Proxis Media | National Excellence Award |
| AI | Best Pharmaceutical CRO |
| Health & Safety Awards | Best Clinical Research- India |
| ng Printer | Best Clinical Research- India |
| MOT | Mark of Excellence |
| FROST & SULLIVAN | Indian Clinical Research company of the year |

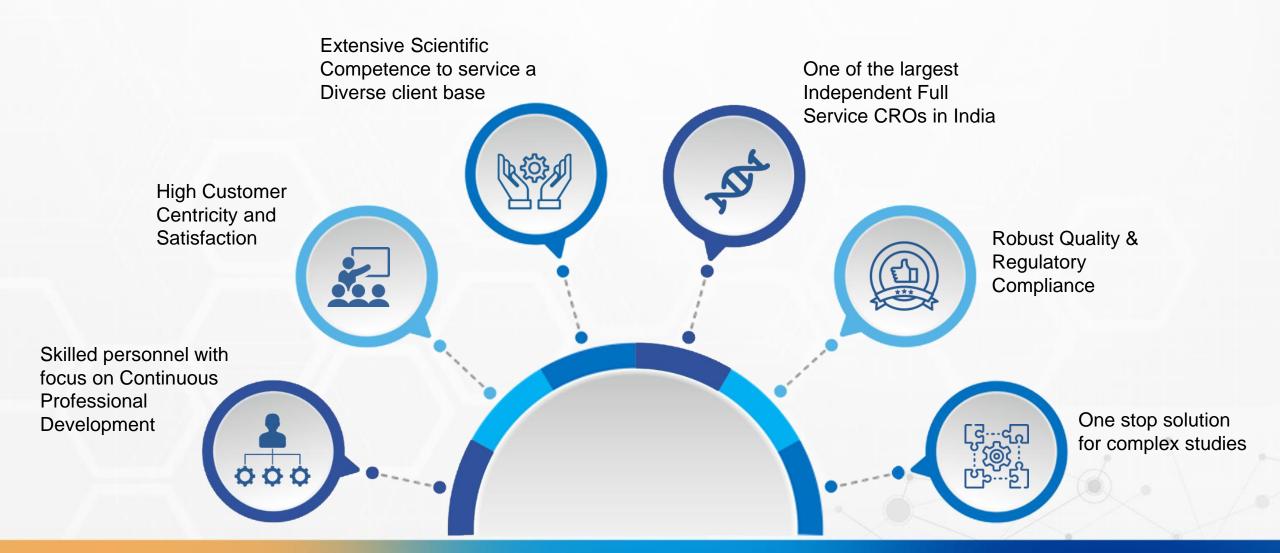
| Organization | Award Category |
|--|---|
| WORLS WALTY CONGRESS | Best Quality Clinical Research Organization in India |
| POLICE CONTROL | Best Quality Clinical Research Organization in India |
| 110 | Indian Clinical Research company of the year |



veeda clinical research.



Veeda Group Advantage







Thank You

Partners in creating

a healthier tomorrow

Visit us at www.veedacr.com

