

 Dt&CRO

**Full-service CRO**

GLP Certified



**Dt&CRO**

[www.dtnicro.com](http://www.dtnicro.com)



*Real!*

## Full-service CRO

As Korea's first and only full-service CRO, Dt&CRO is proud to offer a wide range of biotechnological and pharmaceutical research solutions for the development of Medical Devices, Industrial Chemical Products, Pharmaceuticals, Cosmetics and Health Foods.

We deliver a comprehensive series of consignment research, operating as a full-service provider, with specialized services ranging from Non-clinical GLP Toxicity testing, PK, and Efficacy tests ; to Bio-analyses, Bioequivalence, Clinical trials, and Licensing consulting.

We invite you to experience Dt&CRO's customer-focused and innovative research solutions.



## History

Our creativity and passion drives our dream of **Becoming the future of CRO.**

<b>2023</b>	<b>2023. 11</b>	• Clinical trial training contract with Korea University Medical Center
	<b>2023. 06</b>	• MOU with AVANCE CLINICAL
	<b>2023. 05</b>	• Construction of PK/PD center begins
	<b>2023. 04</b>	• Efficacy evaluation center expansion and transfer
<b>2022</b>	<b>2022. 11</b>	• KOSDAQ Listed
	<b>2022. 05</b>	• Operation of Smart Clinical Center (STC)
<b>2021</b>	<b>2021. 07</b>	• Completion of Efficacy Evaluation Center
	<b>2021. 04</b>	• First local entity to introduce Triple Quad 7500 analysis equipment
	<b>2021. 01</b>	• Merger and Acquisition of EBO Co., Ltd., an efficacy evaluation provider
	<b>2020. 08</b>	• Veterinary drug GLP service commences
<b>2020</b>	<b>2020. 05</b>	• Non-clinical trial SEND service (for submission to the US FDA) commences
	<b>2020. 03</b>	• Medical Device GLP testing services commence
	<b>2020. 01</b>	• Chemical and Pesticide GLP testing services commence
<b>2019</b>	<b>2019. 09</b>	• Pharmaceutical GLP testing services commence
	<b>2018. 10</b>	• Non-clinical trial center established
<b>2018</b>	<b>2018. 06</b>	• Test schedule management program (MoPS) released
	<b>2018. 05</b>	• Recognized as an affiliated research institute
	<b>2018. 03</b>	• Designated as a bioequivalence testing agency
	<b>2018. 02</b>	• Protein characterization service commences
	<b>2018. 01</b>	• Biopharmaceutical and biological sample analysis center established
<b>2017</b>	<b>2017. 04</b>	• Clinical-trial service commences Dt&CRO Corp. established



# Non-Clinical Trial Center



Dt&CRO's non-clinical trial center is a GLP certified facility. We proudly offer a variety of highly accurate services and solutions for our biotechnology and pharmaceutical partners.

01

 **Non-Clinical Trial Center**

02

**Efficacy Evaluation Center** 

03

 **Bio-Analysis Center**




04

**Regulatory Affairs Center** 

05

 **Clinical Trial Operation Center**

## Tests and Trials

 <b>Safety Evaluation Tests</b> Pharmaceuticals, Nutrition, Cosmetics	 <b>Chemical Safety Evaluation &amp; Regulation</b> Chemical Safety Regulation	 <b>Medical Equipment</b> Biocompatibility
<ul style="list-style-type: none"> <li>• General Toxicity</li> <li>• Genotoxicity</li> <li>• Local Toxicity</li> <li>• Immunized Toxicity</li> <li>• Reproductive/developmental Toxicity</li> <li>• Safety Pharmacology</li> <li>• Alternative Testing</li> <li>• TK/PK</li> </ul>	<ul style="list-style-type: none"> <li>• Acute Toxicity</li> <li>• Repeated Toxicity</li> <li>• Genotoxicity</li> <li>• Local Toxicity</li> <li>• Immunotoxicity</li> <li>• Reproductive/developmental toxicity</li> <li>• Algae Growth Inhibition</li> <li>• Daphnia Magna Acute Immobilization</li> <li>• Acute Toxicity Testing (Fish)</li> <li>• pH: Hydrolysis</li> <li>• Biodegradation Test</li> <li>• Daphnia Magna Fertility Testing</li> <li>• Chronic Toxicity Testing (Fish)</li> </ul>	<ul style="list-style-type: none"> <li>• Cytotoxicity Testing</li> <li>• Sensitivity Testing</li> <li>• Stimulation or Obstruction Testing</li> <li>• Systemic Toxicity</li> <li>• Subchronic Toxicity</li> <li>• Heredity Testing</li> </ul>



**Animal welfare**  Korea Excellent Laboratory Animal Facility

# Safety Studies

## General Toxicity Study

- 01 Single Dose Toxicity Study
- 02 Repeated Dose Toxicity Study
- 03 Tumorigenicity Study

## Genotoxicity Study

- 01 AMES Test
- 02 In Vitro Chromosomal Aberration Test
- 03 In Vivo Micronucleus Test
- 04 Mouse Lymphoma Assay
- 05 Comet Assay
- 06 In Vitro Micronucleus Test

## Local Toxicity Study

- 01 Skin Irritation Test
- 02 Cumulative Skin Irritation Test
- 03 Eye Irritation Test

### Other related tests

Oral mucosal Irritation Test

Local Tolerance Test

Vaginal, Rectal Mucosal Irritation Test

## Immunotoxicity Study

- 01 Skin Sensitization Test
- 02 Photosensitization Test
- 03 Active Systemic Anaphylaxis
- 04 Passive Cutaneous Anaphylaxis

## Reproductive and Developmental Toxicity Study

- 01 Fertility and Early Embryonic Development Study (Seg I)
- 02 Embryo-Fetal Development Study (Seg II)
- 03 Pre-and Postnatal Development Including Maternal Function Study (Seg III)
- 04 Reproductivity Toxicity Testing by OECD Test Guidelines
  - Reproductive/Developmental Screening Study (TG 421)
  - Repeated Administration and Reproductive/Developmental Screening Combined Toxicity Study (TG 422)

## Safety Pharmacology

- 01 Core Battery Study
  - Central Nervous System
  - Respiratory System
  - Cardiovascular System
    - Telemetry (In Vivo)
    - hERG assay (In Vitro)





# Pathology



01 Necropsy | 02 Clinical Pathology | 03 Histopathology

### Clinical Pathologic Examinations

Hematology	Blood Chemistry	Urinalysis	Hormones
<p>▶ <b>XN-1000, Sysmex</b> RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RET, WBC, NEU, LYM, MONO, EOS, BASO, RDW, PDW, PCT, MPV</p> <p>▶ <b>CA 660, Sysmex</b> PT, APTT, Fibrinogen</p>	<p>▶ <b>HITACHI 7180, Hitachi</b> AST, ALT, ALP, GGT, T-BIL, T-CHO, TG, GLU, BUN, CREA, TP, ALB, IP, Ca, A/G Ratio, CK, LDH, HDL, LDL, TBA, Mg, UA, UREA, LIP, AMY, mTP, mALB, NEFA, GLDH, Na, K, Cl</p>	<p>▶ <b>UC-1000, Sysmex</b> Urobilinogen, Blood, Ketone, Glucose, Protein, Bilirubin, pH, Nitrite, Leukocyte</p> <p>▶ <b>Sediment examination</b> Cast, Epithelial cell, Leukocyte, Erythrocyte, etc.</p> <p>▶ <b>Visual examination</b> Color, Specific gravity, etc.</p>	<p>▶ <b>ANYLAB F1, Z Bio</b> T3, T4, TSH</p> <p>▶ <b>ELISA</b> LH, FSH, Progesterone, Prolactin, Estradiol, etc.</p>

### Histopathology Procedure

Procedures	Equipment / Solutions	Procedures	Equipment / Solutions
<b>Necropsy</b>	Anesthesia(L-PAS-01, LMS)	<b>Sectioning</b>	Microtome Rotary(RM2245, Leica) Microtome slide(HM450, Epredia)
<b>Fixation</b>	10% NBF, Davidson's sol.		
<b>Decalcification</b>	10% Formic acid	<b>Staining / Mounting</b>	Prisma™Glas™g2 (Sakura)
<b>Tissue processing / Embedding</b>	Tissue processor(VIP6, Sakura)		
		<b>Microscopic observation</b>	Light microscope(BX43, Olympus) Pannoramic 25 Flash III(3D Histech)

### Histopathology Examinations

Necropsy	Preparation (Paraffin)	Stain	Histopathology
<b>Rodent</b> • Rat • Mouse  <b>Non-Rodent</b> • Rabbit • Beagle	• Tissue Trimming • Tissue Processing • Tissue Embedding • Tissue Sectioning	• Hematoxylin & Eosin	• Microscopic examination • Peer review
		<b>Special Stain</b> • Masson's trichrome • PAS(Periodic acid-Schiff) • Gomori's chromaffin • Oil Red O • Prussian blue • Toluidine blue • Alcian blue • Safranin O • Etc.	<b>Digital Pathology</b> • WSI (Whole Slide Image) • Image analysis
	<b>Frozen Section</b>	<b>IHC / IF Stain</b>	





# TK/PK

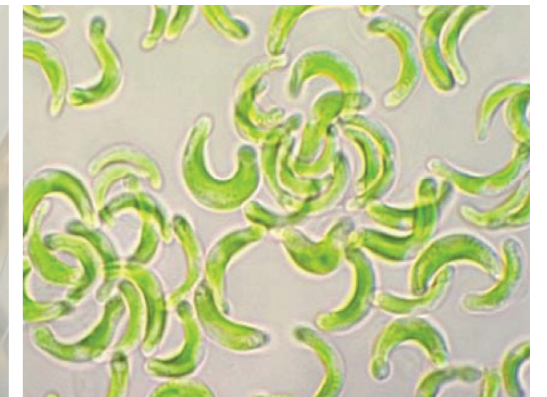
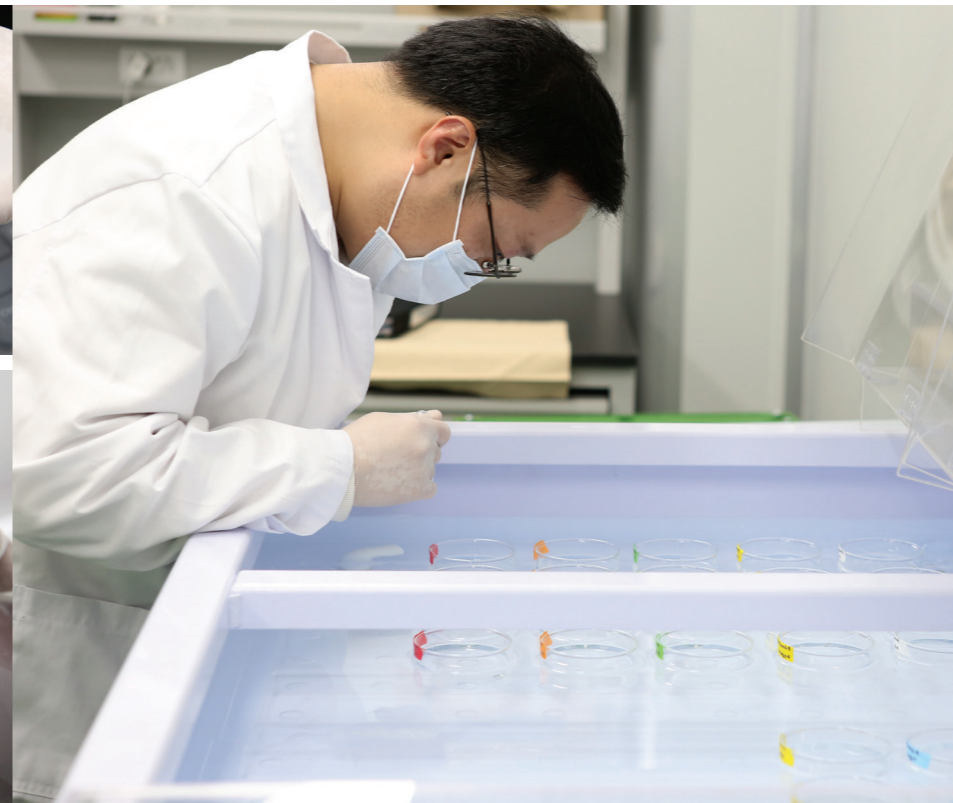
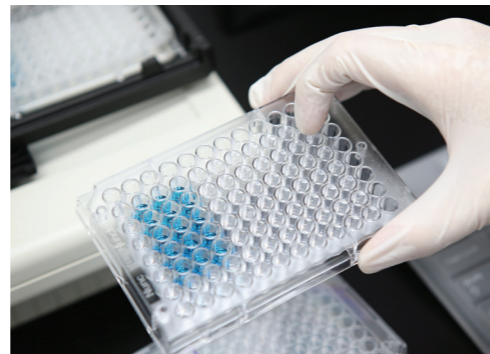
Toxicokinetic Analysis

Pharmacokinetic Analysis

# Alternatives to Animal Testing

**01 Skin Sensitization Test**  
LLNA: BrdU-ELISA

**02 Phototoxicity Test**  
In Vitro 3T3 NRU Phototoxicity Test



# Environmental Toxicology Test

**01 Daphnia sp. Acute Immobilization Test**

**02 Daphnia magna Reproduction Test**

**03 Fish, Acute Toxicity Test**

**04 Fish, Early-life Stage Toxicity Test**

**05 Freshwater Alga and Cyanobacteria, Growth Inhibition Test**

**06 Biodegradation Test**

**07 Hydrolysis as a Function of pH**

**08 Analysis of Test Solution**

- **UPLC** | Ultra High Performance Liquid Chromatography
- **GC** | Gas Chromatography
- **LC-MS/MS** | Liquid Chromatography Triple-Mass Spectrometry



# Efficacy Evaluation Center

## Drug efficacy evaluation test and biodistribution test

### Efficacy test

Conducting evaluation tests using cells or disease models for natural products, compounds, proteins, cell, and genes



### Anti-cancer test

skin xenograft, orthotopic xenograft



### Biodistribution test

Perform biodistribution test for cell therapy products, gene therapy products, etc. (real-time PCR method)



## Efficacy evaluation test for Health functional food



Evaluation test service in line with the Ministry of Food and Drug Safety's health functional food guidelines



Evaluation test in preparation for the food functionality labeling system



Effectiveness of natural products and compounds (Efficacy test)



Perform evaluation tests using cells or disease animal models appropriated



Possible to discuss writing menu script for journal submission

## Efficacy evaluation test for Cosmetics

01

Efficacy Tests of Cosmetic materials using cells

02

Cytotoxicity Evaluation (MTT assay)

03

Whitening, Wrinkle improvement, Skin elasticity, Moisturizing, Hair growth test

## Efficacy evaluation test items

Category	Disorder	in vivo efficacy test method
Neurological Disease	Memory, Cognitive ability	• Scopolamine-induced impairment model
	Parkinson's disease	• 6-OHDA-induced model(Stereotaxic injection)
	Alzheimer's disease	• Amyloid-β-induced Alzheimer's disease model
	Social deprivation	• Valproic acid-induced autism spectrum disorder model
	Attention deficit hyperactivity disorder (ADHD)	• SHR model
	Relaxation	• Stress-induced model(water-immersion-restraint)
	Sleep	• Caffein-induced sleet inhibition model • Pentobarbital- induce sleep induction model
Retinal Disease	Pain	• Acetic acid, heat, formalin, surgery-induced model
	Retinal disorder	• CNV-induced wet-AMD model • NaIO3-induced dry-AMD model • MNU-induced dry-AMD model • STZ-induced diabetic retinopathy model
Gum Disease	Dry eye syndrome	• Tear gland incision model
	Periodontitis	• Ligation-induced model
Respiratory Disorder	Allergic rhinitis	• OVA-induced model
	Expectorant	• Quantification using phenol red
	Asthma	• OVA-sensitization-induced model
	Chronic obstructive pulmonary disease (COPD)	• LPS-induced model • Elastase-inducde model
Cardiovascular Disease	Pulmonary fibrosis	• Bleomycin-induced model
	Hypertension	• SHR Rat model
	Blood clot, Blood flow	• FeCl3-induced carotid artery occlusion model • Platelet aggregation inhibition analysis • Blood coagulation analysis by PT and aPTT
Liver Disease	Hepatitis	• Acetaminophen-induced hepatic injury model • LPS, galactosamine-induced hepatic injury model
	Fatty liver	• Alcohol-induced fatty liver model • High fat diet-induced NAFLD model
	Non-alcoholic steatohepatitis(NASH)	• CDAHFD-induced hepatic injury model • Western diet feeding model
Gastrointes-tinal Disease	Gastritis	• Ethanol-induced model • Indomethacin-induced model • Stress-induced model(water-Immersion-restraint)
	Constipation	• Loperamide-induced model
	Colitis	• DSS-induced model
	Irritable bowel syndrome(IBS)	• Acetic acid-induced model



### Efficacy evaluation test items

Category	Disorder	in vivo efficacy test method
<b>Prostate Disease</b>	Prostatic hyperplasia	• Testosterone-induced model
<b>Nephropathy</b>	Chronic kidney disease (CKD)	• Adenine-induced CKD animal model (oral or diet)
	Gout	• Hyperuricemia induction model by potassium oxonate
<b>Bone</b>	Osteoporosis	• Ovariectomy-induced model
	Kid's bone growth	• Growth plate growth assessment, Maturity analysis
<b>Hormone</b>	Growth hormone evaluation	• Pituitary Gland Ablation: A Model for Growth Inhibition
	Sexual maturity	
<b>Muscle</b>	Sarcopenia	• Dexamethasone-induced model
		• Aged model
<b>Arthritis</b>	Degenerative Osteoarthritis	• MIA-induced model(intra-articular injection)
	Rheumatoid Osteoarthritis	• Collagen-induced model
<b>Metabolic Syndrome</b>	Obesity	• HFD-induced model • ob/ob mouse
	Diabetes	• STZ-induced type I model • db/db mouse type II model
	Hypercholesterolemia	• HCD-induced model
<b>Immunology and Inflammation</b>	Immunity enhancement	• Cyclophosphamide (CYP)-induced model
	Atopy	• DNCB-induced atopic dermatitis model • Biostar (house dust mite)-induced model
	Psoriasis	• Imiquimod (IMQ, aldera cream)induced model
	Allergenicity	• IgE analysis using Brown Norway Rat
<b>Skin wound</b>	Wound	• Cuts, burns, pressure sores-induced model
<b>Fatigue Endurance</b>	Fatigue improvement	• Analysis using forced swimming and treadmill
	Endurance improvement	• Analysis using forced swimming and treadmill
<b>Anticancer</b>	Xenograft model	• Tumor size measurement
	Syngeneic model	• Tumor size measurement
	Orthotopic model	• Image analysis using IVIS
<b>in vivo Distribution Assessment and Excretion</b>	Stem cell, Tcell, Virus, Plasmid, Micro-organism	• Analysis using real-time PCR in biological samples
<b>Immuno-genecity (ADA), (nAb)</b>	Screening assay	
	Confirmatory assay	• Antibody analysis using ELISA in body
	Titration assay	
<b>PK, PD, Biomaker analysis of Bio-drugs</b>		• ELISA, PCR, Flow cytometry
<b>Others</b>	Hangover cure	• Blood test model after ethanol administration

## Bio-Analysis Center



Analyzed Products	Sample Matrices
Small molecules (Synthetic, Natural)	Whole blood, Serum, Plasma, Urine, Feces, Tissue
Polymer	
Biomarkers	
Proteins / Peptides	
Oligonucleotides (DNA, RNA, Aptamer)	

### Non-GLP and Discovery Bioanalysis

- In-Vitro ADME (Plasma Protein Binding, Metabolic Stability, Metabolite Profiling & ID, Enzyme Inhibition)
- Screening Pharmacokinetic Analysis



### GLP Bioanalysis

- Dosing Formulation Analysis
- Toxicokinetic Analysis



### GCLP Bioanalysis

- Pharmacokinetic Analysis
- Bioequivalence Analysis
- Biomarker Analysis



### Pharmaceutical Analysis

- Protein Characterization
- Purity / Impurity Test
- Impurity Identification
- Impurities Clearance Study





### Equipment

AB SCIEX API 5500, 6500 (X2), 7500 (X1)	Waters Xevo TQS, TQXS
AB SCIEX Triple ToF 5600+	Waters HPLC, UPLC with UV, RI detection
Molecular Devices Microplate Reader	

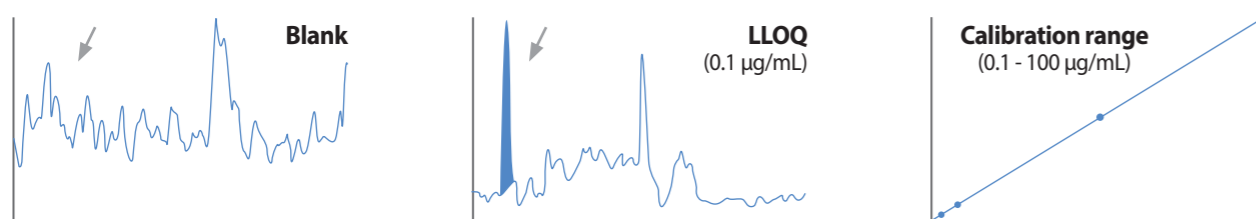
### Example of Test results for Problematic Analytes

Semaglutide (2 ~ 2,000 ng/mL)	RNA (0.1 ~ 100 µg/mL)
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### Semaglutide



### RNA



## Consulting service for MFDS/FDA

### PM Consultation

#### Service Recipients

- Companies entering non-clinical study phase for the purpose of applying for clinical studies
- Companies experiencing challenges in deriving non-clinical study items

#### Consultation Category

- Review categorization of study drug / substance according to authorization
- Deduce non-clinical items by review of previously authorized cases
- Review check points for clinical study approval
- Consult non-clinical design for IND application such as MFDS and FDA

#### Service Procedure

Request	Check Information	Review	Establish Strategy	Request Study
<ul style="list-style-type: none"> <li>• Sponsor Request consultation</li> </ul>	<ul style="list-style-type: none"> <li>• Sponsor Clarify project introduction, Share drug / substance information</li> <li>• Dt&amp;CRO Review project introduction and drug / substance information</li> </ul>	<ul style="list-style-type: none"> <li>• Dt&amp;CRO Review study drug / substance and comparable cases</li> </ul>	<ul style="list-style-type: none"> <li>• Dt&amp;CRO Provide information on categorization according to authorization and procedures → Propose non-clinical study items</li> </ul>	<ul style="list-style-type: none"> <li>• Sponsor Confirm request for study Sign contract for non-clinical study and initiate study</li> </ul>

### FDA Consultation Service

IND Approval Plan	Early Stage Development Consultation	Pre-IND Consultation	IND Approval
	<ul style="list-style-type: none"> <li>• Clarify project introduction</li> <li>• Review drug / substance information and similar cases</li> <li>• Provide authorized categorization and procedural information</li> <li>• Propose non-clinical trial item(s)</li> <li>• Consult primary study design</li> </ul>	<ul style="list-style-type: none"> <li>• Consult and execute study Toxicity / Efficacy / ADME / TK/PK Pathology / Environmental Toxicity / Bio-Analysis</li> <li>• Support with IT Solutions SEND / LIMS / MoPS</li> </ul>	
	<ul style="list-style-type: none"> <li>• Gap analysis</li> <li>• Review and develop consultation plan</li> <li>• Identify category / track design</li> <li>• Consult and confirm efficacy test design</li> </ul>	<ul style="list-style-type: none"> <li>• Determine strategy for clinical study</li> <li>• Confirm non-clinical study design from pre-IND meeting</li> </ul>	



# Regulatory Affairs Center

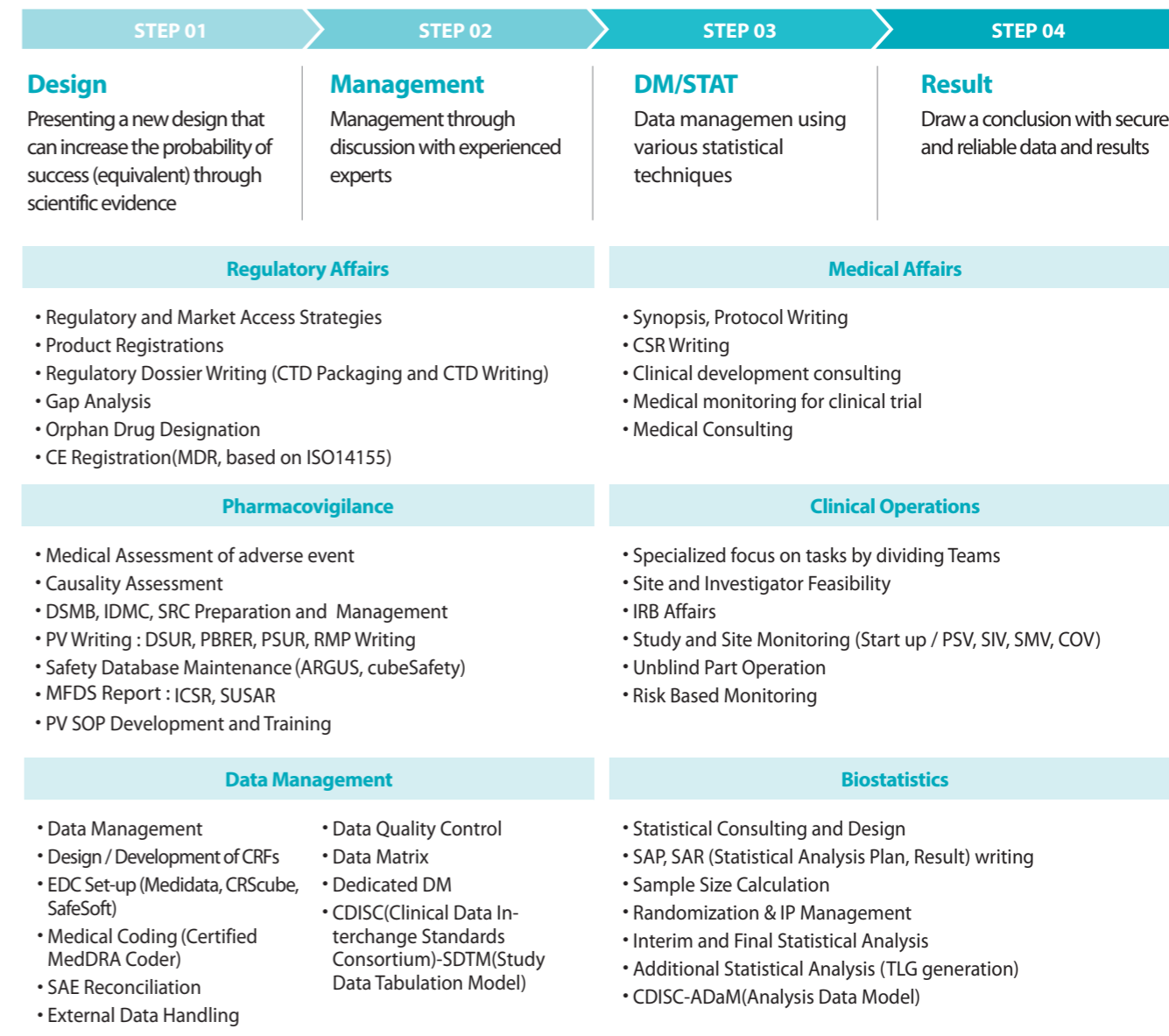
## Pharmaceuticals

Pharmaceuticals / Biologics / Cell therapy / Herbal medicines	
• New drug/ IMD (Incrementally modified drug)/ Biosimilar/ Generic	• Safety & Efficacy review/consulting (Non-clinical, clinical data)
• IND application	• Specification & Test Method review/consulting
• NDA / BLA application	• CMC/GMP Consulting
• Common Technical Documentation (CTD) writing	• RMP writing
	• DMF (Drug Master File) application

## Medical Device/ Diagnostic Medical Device

1. Permission for Domestic Import/Manufactured Items		2. Overseas certification service	
• Item notification/certification/permission (medical device import and manufacturing)	• Medical device import/manufacturing license	• Quality system establishment consulting	• Diagnostic medical device
• USA : PMN, 510(k) and QSR (21 CFR 820)	• Europe : CE Marking and ISO 13485:2016	• Medical device certification/permission by other countries such as Canada	
3. Clinical trials		4. Technical document support service	
• Clinical development strategy	• Advisory Establishment of clinical trial	• Plan Clinical trial plan, IRB approval	• Statistical analysis, data management
• Monitoring Result	• Writing report	• STED	• Usability Engineering
• Risk Management	• Clinical Evaluation	• Software Validation	• Product Compliance
5. Quality system support service			
• KGMP	• ISO 13485:2016	• FDA QSR-CE Surveillance Audit	• MDSAP

# Clinical Trial Operation Center





# Regulatory/Medical Affairs Services



## Regulatory Affairs (with Dt&CRO Team and Global CRO)

- IND, IMPD, AUS IRB & Global Clinical Trial Application
- NDA, BLA, ANDA, 505b(2), MAAs, Generics, DMFs
- IND, IMPD, AUS IRB & Global Clinical Trial Application
- Dossier Review for special drug : Orphan Drug, Biosimilar, Fast Track, Break-through, Application & Dossier Maintenance, Review for each CTD Section
- eCTD Registration
- SEND

## Non-Clinical Management & Consulting (with Dt&CRO Team)

- Non-Clinical Strategy
- Study Lab Identification, Non-Clinical Study Set-up, Study Monitoring
- Review and Writing of Non-Clinical Reports (Module 4)
- Gap Analysis for Non-Clinical trial results (with Global company)
- Writing of Module 2.4, and Module 2.6
- IB Writing

## Drug Development & Strategy Consulting

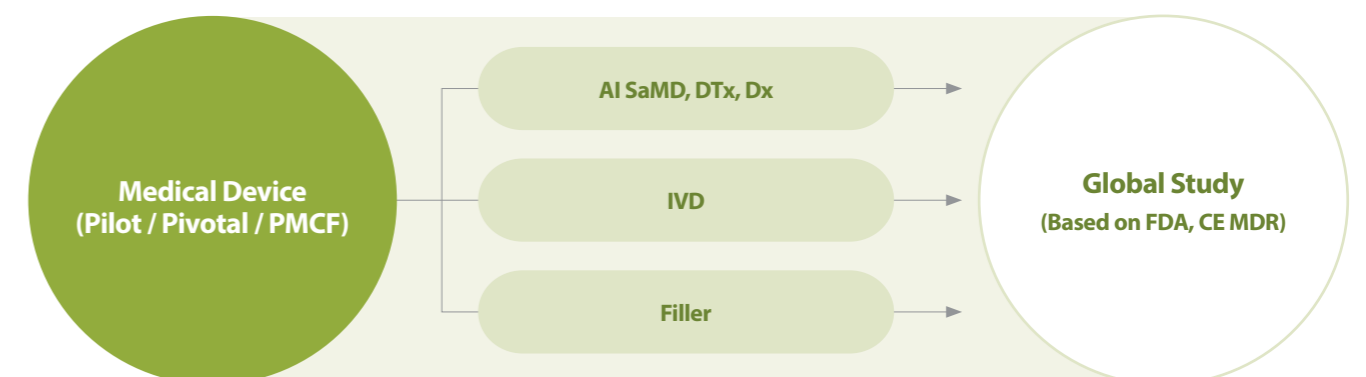
- Product Pipeline Development and Consulting
- Registration & Pipeline Development Strategy
- Regulatory Scientific Advice and Consulting
- Agency Strategy and Interaction
- Pre IND Consulting
- FDA/EMA Advisory Committee Meeting Support

## Medical & Regulatory Writing Regulatory Publishing

- e-CTD Submission
- CTD Packaging and Full writing
- CSR Writing for Publishing
- IB Writing
- DSUR/RMP/PSUR Writing
- Medical Monitoring Review Script
- Publication Manuscript
- Packaging Insert, Patient Information, Manuscript Writing



- **SMP development**  
SAE processing & report to MFDS in line with HA requirements  
SAE Report review and query generation & report to PI/site/IRB
- **IDMC Management (DSMB, SRM)**  
Arrangement of IDMC, development IDMC Charter, DSMB Organize and Data Analysis
- **Risk Management Plan**  
RMP development, Risk minimization plan, pharmacovigilance plan
- **Regulatory PMS (Post Marketing Surveillance)**  
Protocol Development, Operation, Periodic report, Spontaneous report, Re-exam report
- **Aggregate Safety Report**  
DSUR (Development Safety Update Report) Writing  
PSUR (Periodic Safety Update Report) Writing



- Dt&CRO's SOP, RD Developed based on ISO 14155
- Utilize Dt&CRO's CIP form developed in accordance with ISO 14155
- Annual Update of SOP, RD to meet NB's Latest requirements
- Close Relationship with Chung-Ang University and Korea University Through numerous Filler Experiences
- Dt&CRO's own Monitoring Room Reservation Process



# LIMS

Improve reliability of tests by introducing Laboratory Information Management System (LIMS) automatically connected to Standard for Exchange of Nonclinical Data (SEND) when submitting US FDA.



# SEND

SEND is a digital file contains final report, SEND Datasets, Define file, nSDRG (nonclinical Study Data Reviewer's Guide), etc. which have major data such as general symptoms, weight, and pathology in non-clinical test data for FDA drug approval application. Dt&CRO provides high-quality services through the self-developed SEND software (Conversion Program), including non-clinical trial data conducted by other institutions as well as data conducted by other institutions.



# MoPS

## Real-time project schedule management program

MoPS provides the progress of all projects to the client in real time. Customer communication program that allows you to disclose and check the progress of the project.

Links will be emailed to sponsors at the completion of key steps for each test item.

The desired test item can be displayed on the screen by clicking the ongoing project and can be printed or shared internally via email.

## Detailed progress status by test item

**Dt&CRO MoPS**  
Management of Project Schedule

**Repeat 4 weeks (Rat)**  
Customer | Di&Pharma  
Test number | DTA180112  
Registration date | March 01, 2018  
Test Director | Howon Yang (010-0000-0000) hwayang@dtcro.co.kr

**Overall progress**  
**55% Complete**  
Observation of 4W recovery symptoms (in progress)

- Before exam: Test plan (draft) sent to client
- laboratory service:
  - Initiation of test plan
  - Acquisition of animals (2018-12-15)
  - Dosing 1 of the 4w repeated test (Administration 4-week repeated administration test)
  - 4w repeated symptom observation (Symptom observation during 4-week repeated test)
  - 4w Observation of recovery (symptoms Observation of symptoms during the 4-week recovery period)
- After the experiment:
  - Autopsy (2019-03-14)
  - Experiment end date
  - Send the final report (draft) to the client
  - Final report completed

dtcro One-Stop Total CRO












Location	
Non-Clinical Trial Center	46 154-beon-gil, Yurim-ro, Cheoin-gu, Yongin-si, South Korea 17042
Efficacy Evaluation Center	28 20-beon-gil, Baekryeong-ro, Cheoin-gu, Yongin-si, South Korea 17042
Bio-analysis Center	28 20-beon-gil, Baekryeong-ro, Cheoin-gu, Yongin-si, South Korea 17042
Clinical Trial Center	5F Youngchang Building, 10 Nonhyeon-ro, Gangnam, Seoul, South Korea 06247

**Contact :** +82 (0)31-322-2400

**E-mail :** info@dtncro.co.kr

## Dt&C Group

Biotechnology Research Solutions	Tech & Electronics Development Solutions	
 <p>Non-clinical trials, Efficacy analysis, Bioequivalence, Clinical trials(Phase 1/2/3), LPS(PMS, OS, IIT etc) Full-service CRO</p>  <p>Central Lab Method Development and Validation, Clinical Sample Analysis, Project/Sample and Data Management, Global Bio-Logistics</p>	<div style="border: 1px solid gray; padding: 5px;">  <p>Parent Company – KOSDAQ Listed Electrical testing and certification EMC, RF/SAR, Reliability, Failure analysis, IoT and Interface certification</p> </div>  <p>Rail, ICT Testing &amp; Certification Domestic and international testing and certification services: EMC, RF/SAR, Safety</p>  <p>Software Authorization, Testing, Evaluation and Development</p>	 <p>Vietnamese Subsidiary Testing, Certification and Inspection EMC of appliances. Safety and Inspection Services</p>  <p>Japanese Subsidiary Software evaluation, Automotive testing, Software testing and verification, Electric EMC evaluation</p>  <p>Chinese Subsidiary Testing and Certification</p>
Financial Services	 <p>Venture Capital Firm VC Funding, Formation of Investment Associations, Local and Overseas Investment Consulting</p>	