IBPR offers platform technology services of pharmacology, pharmacokinetics, exploratory toxicology, metabolite target analysis and physicochemical characterization for the discovery of small molecule drugs.

Customized services needed for lead compound and drug candidate selections are available upon inquiry.

Service number	Technology and Service List
Efficacy Evaluation In Disease Animal Models	
BP-AM-001	Subcutaneously xenografted tumor growth models-mouse
BP-AM-002	Orthotopically xenografted tumor growth models-mouse
BP-AM-003	STZ-induced diabetic model-rat
BP-AM-004	Diet-induced obese mouse model
BP-AM-005	Oral glucose tolerance test-mouse
BP-AM-006	Oral glucose tolerance test-rat
Pharmacokinetics and Metabolite Target Analysis	
BP-PK-001	Bioanalytical method development
BP-PK-002	Protein binding determination
BP-PK-003	Microsomal stability evaluation
BP-PK-004	CYP inhibition assay
BP-PK-005	PK/bioavailability in mice
BP-PK-006	PK/bioavailability in rats
BP-PK-007	PK/bioavailability in minipigs
BP-PK-008	Metabolite identification
Physicochemical characterization and formulation evaluation	
BP-PD-001	X-ray Powder Diffraction (XRPD)
BP-PD-002	Raman Spectroscopy
BP-PD-003	Dynamic Vapor Sorption (DVS)
BP-PD-004	Water content (Karl Fischer coulometric titrator)
BP-PD-005	Differential scanning calorimetry (DSC)
BP-PD-006	Thermogravimetric analyzer (TGA)
BP-PD-007	Capsule filling and sealing systems
BP-PD-008	Dissolution tests
BP-PD-009	Micro-Osmometer
BP-PD-0010	Air jet mill micronizer
BP-PD-0011	Polarized light microscopy
BP-PD-0012	Solubility
Chemical Characterization	
BP-CH-001	Nuclear Magnetic Resonance Spectroscopy (NMR)
BP-CH-002	Liquid Chromatography / Mass Spectroscopy (LC/MS)
BP-CH-003	Purity Check (Purity)

BP-CH-004	Analytical method development
In Vitro Toxicity	
BP-IVT-001	MTS assay
BP-IVT-002	In vitro hemolysis assays (mouse, rat, rabbit, dog, pig, and minipigs)
Human coronavirus test	
BP-HCoV-001	In vitro FRET based SARS-CoV-2 3CL protease assay
Cell and enzyme-based screening platform	
BP-CE-E	Enzyme
BP-CE-K	Kinases
BP-CE-A	Antiviral
BP-CE-R	Receptor
BP-CE-T	Transcriptional

Service charges may be subject to the condition of the studies requested**.** Please feel free to contact us via bp-service@nhri.edu.tw for the cases of your interest.

IBPR-Service Request Form Download:

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