



Inside Pharmaron's

in vitro Biology Services Unit

Driven by Science
to help our partners succeed



Pharmaron

From Idea to Market. Truly.

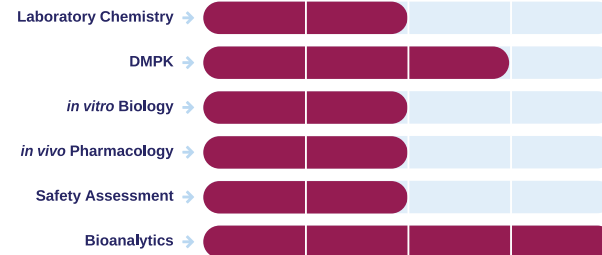
Pharmaron's unique setup is a true one-stop-shop from idea to target ID and validation, drug discovery and development, IND-enabling studies, clinical testing with compound manufacturing from pilot scale to commercial product.

Business models include fee-for-service, full-time equivalents, milestone-based, risk-sharing, and a multi-disciplinary team approach.

In addition, we offer a suite of R&D services for biologics and cell & gene therapeutics.

DISCOVERY PRECLINICAL CLINICAL COMMERCIAL

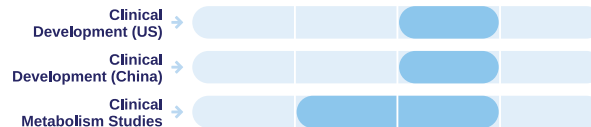
Laboratory Services



Chemistry, Manufacturing & Control



Clinical Development System



Regulatory Support



We help our partners succeed

2,000

clients
served
last year



85 %

of clients
use multiple
services



All

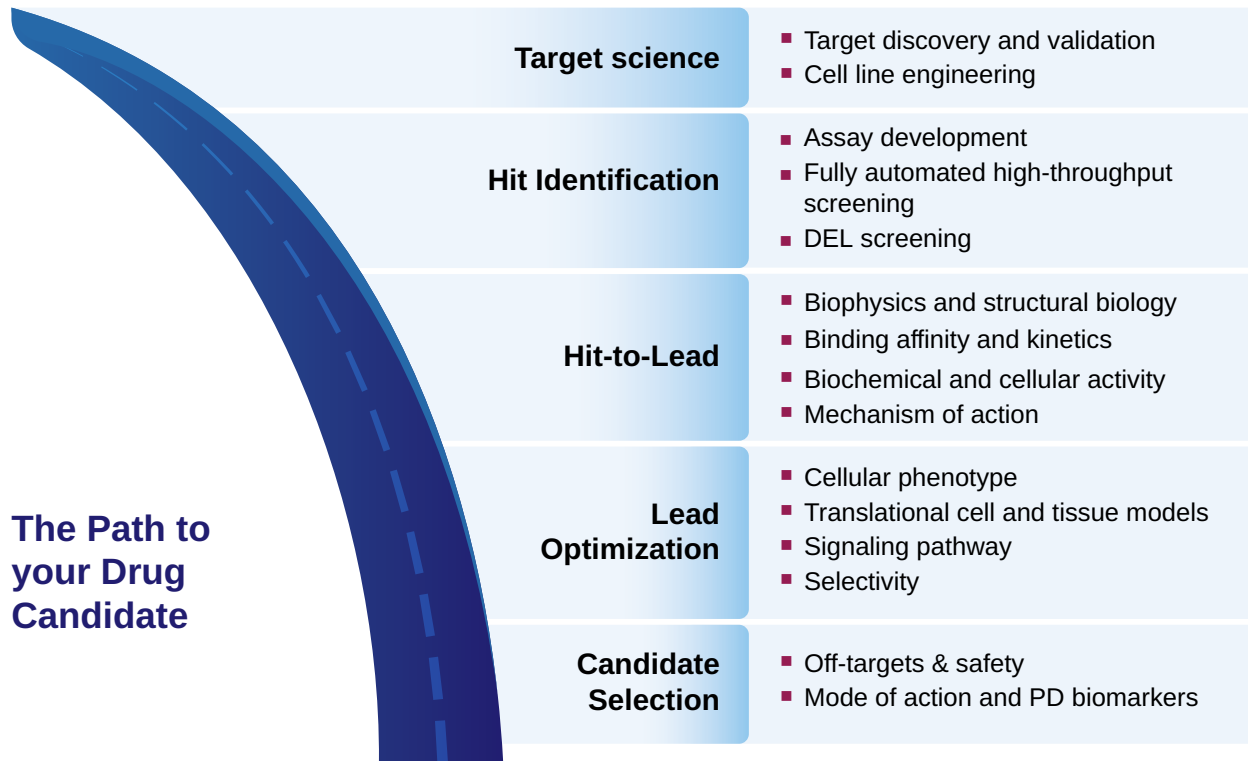
top 20 pharmaceutical
companies are our
clients



"Pharmaron has an impressive array of capabilities for drug discovery; an optimal one-stop shop for an integrated program. What sets them apart is their team of scientists and the relationship that they have established with us. It is as though they are part of [us] with the same passion for advancing our medicine into patients."

CSO, US Biotech

Pharmaron's *in vitro* Biology Services





Beijing,
China



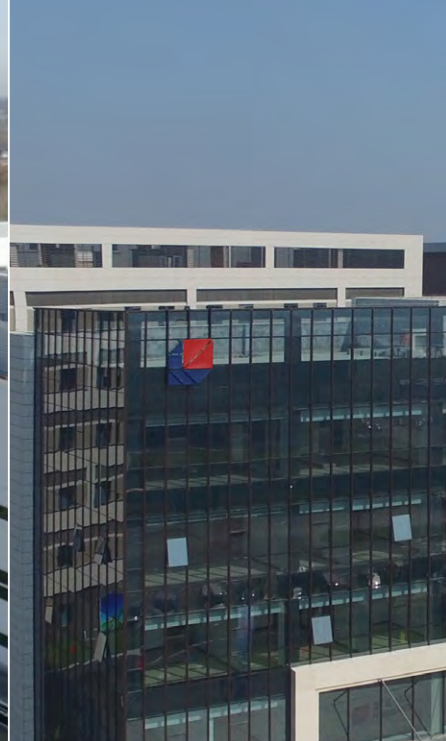
Inside our *in vitro* Biology sites

600 scientists conduct cutting-edge research at three sites on over 1 million square feet of state-of-the-art laboratory space, using the latest technologies.

Each *in vitro* biology unit is in close proximity to *in vivo* pharmacology, laboratory chemistry, or DMPK units to facilitate efficient compound logistics and communication.



Hoddesdon,
UK



Ningbo,
China



Working with Pharmaron's *in vitro* Biology Unit

Quality

- Thorough validation of every assay before client agent screening
- Reproducibility ensured via assay performance indicators across projects, plates, and dates



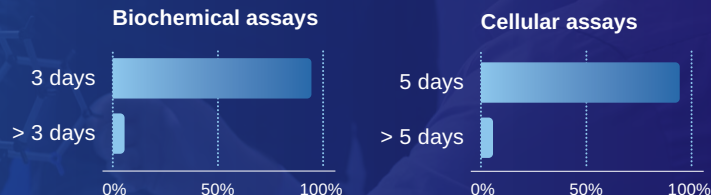
Efficiency

- Our **consultative** scientific experts become an integrated part of your team
- **Timely progress and seamless communication** ensured by our scientific account managers



Speed

- Zero lead times for most projects*
- Turnaround times for standard projects in days:



* when all reagents are on site



Our experience in numbers

**600 drug
discovery
programs** were
completed by our
teams in 2022

200+ cell lines
generated or
engineered

2000+ cell lines
available for cell
assays

1200+ cellular
assays validated

500 Million data
points generated for
SAR screening

1000+ biochemical
assays validated

92 targets available
for *in vitro* safety
screening

Our state-of-the-art equipment helps us to complete your projects with Quality, Efficiency, and Speed

Liquid handling / assay automation

- Explorer G3 workstation
- Echo 550
- Echo 655
- Tecan Evo 200
- Tecan D300
- Janus workstation
- Apricots
- Biomek i5
- Multidrop combi
- Biotek Multi low
- Plate washer
- Bluewasher
- Cell Harvester

Biochemical and cellular assay detection

- FLIPR Tetra 384
- Envision 2104
- EnSpire microplate readers
- Tecan microplate readers
- Biotek Neo2 readers
- PHERAstar reader
- CLARIOstar reader
- EZ reader
- Cell Insight CX5
- Operetta CLS
- IncuCyte
- iQue3 HTS FACS
- Automated patch 384
- Manual patch clamp

Biophysical, mass and radiometric detection

- Biacore S200
- Biacore 8K and 8K+
- Octet HTX
- Prometheus NT48
- Monolith Pico RED-BLUE
- Affinity ITC
- UHPLC
- Q-Exactive plus Orbitrap
- BioAccord LC/MS
- Microbeta
- TopCount

Biomarker analysis

- MSD Meso Scal
- Luminex
- qPCR (384)
- dPCR
- NanoString
- KingFisher flex purification
- Western Blot system
- Automated Jess Western system
- Licor Odyssey
- Tissuelyser II
- Tissue Pulverizer
- Flow cytometers (multiple)

Driven by science to make our partners succeed.

Discuss your research needs with a scientifically trained representative near you.

bd@pharmaron.com

