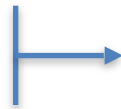


TransMed Research

Services:

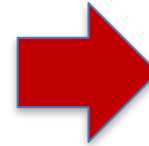
- Toxicology
- Neurobehaviour
- In vivo* studies
- In vitro* studies
- High Content Screening
- Biomarkers



GLP

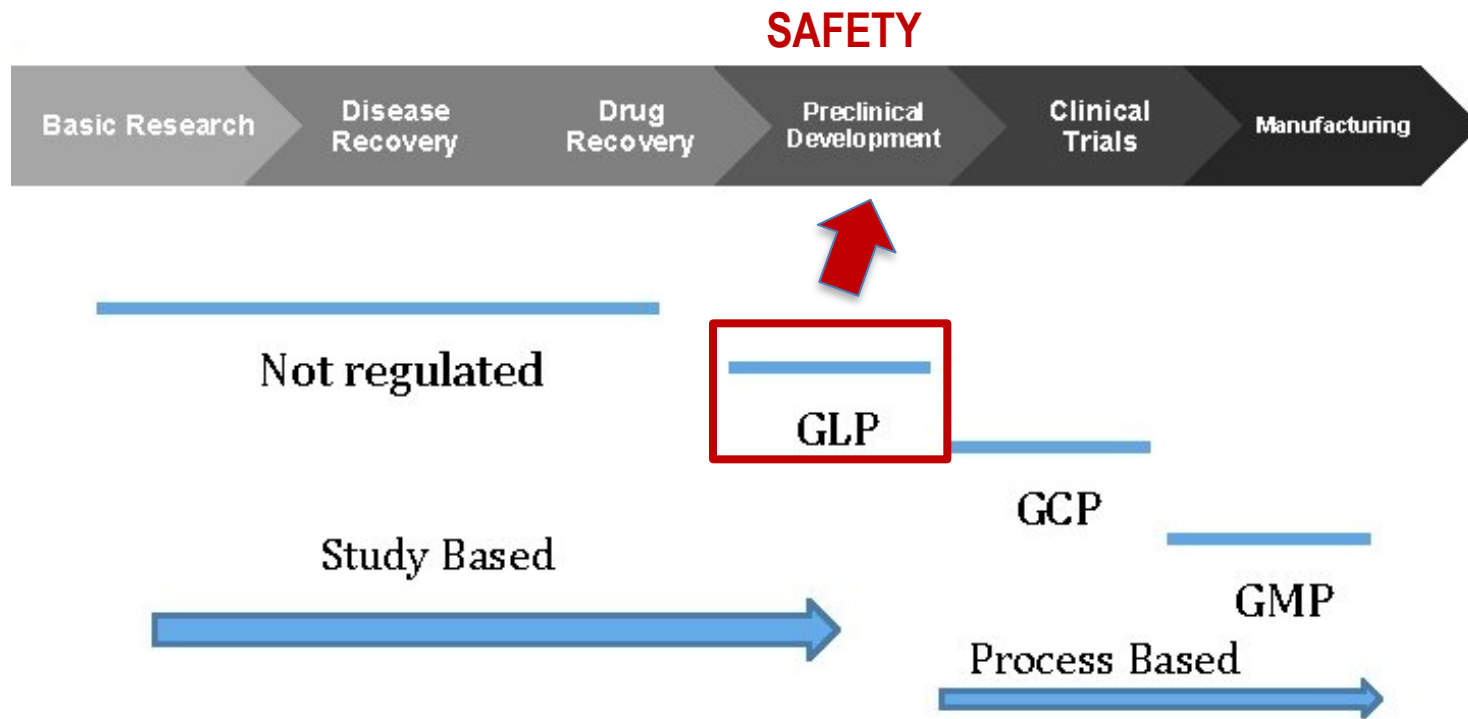


**Sanitary lab
(GCP)**



NEW DRUGS
DRUG REPOSITIONING
BIOMATERIALS
ELECTROCEUTICALS
STEM CELLS
...

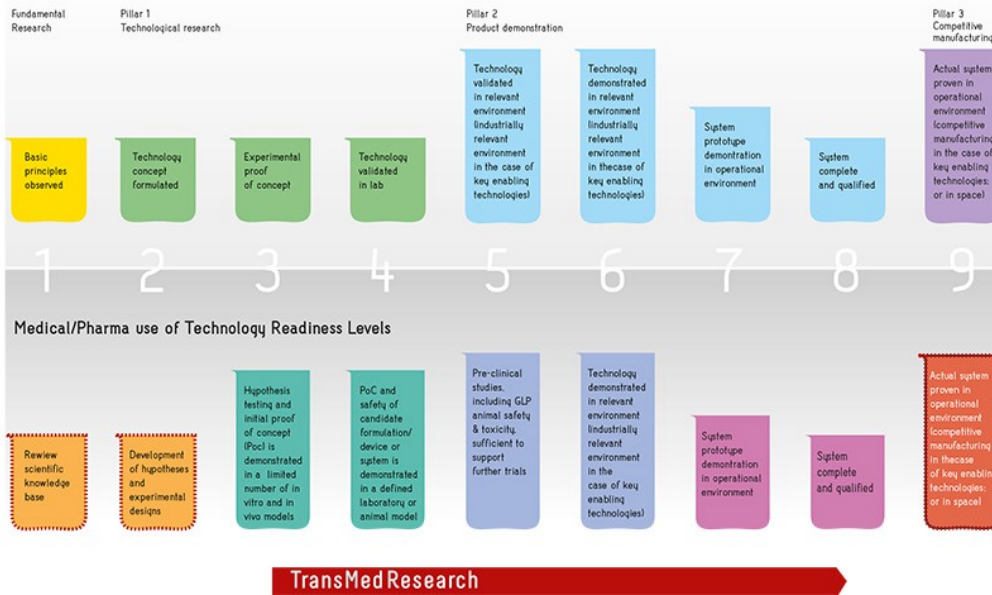
Good Laboratory Practice (GLP)



Ridley, R., *The Process of New Drug Discovery and Development*, Second Edition, 2006, World Health Organization

Technology Readiness Level (TRL)

TRL SCALE



•TRL 3 – 4 – 5:
laboratory tests in compliance with GLP

•TRL 5 – 8:
laboratory tests (Biomarkers) as Test Facility accredited by the Minister of Health

TMR and Mat2Rep: in vitro GLP certified studies

PRODUCT

GLP STUDY

Nanoparticles for controlled drug release



- Ibuprofen / T3
- PLGA

Electrospun scaffold functionalized with an integrin linker



- GM18
- PLLA

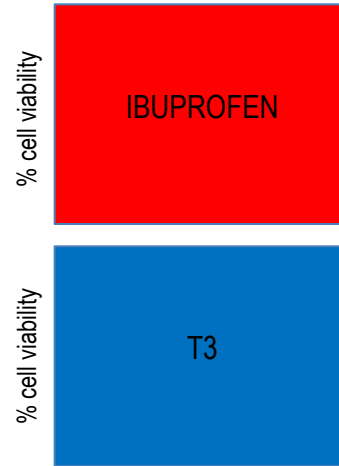
TRL scale up from 3 to 4

TMR and Mat2Rep: ibuprofen + T3

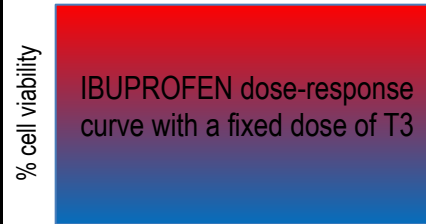
STUDY DESIGN

- Most suitable cell system: DI-TNC1, rat astrocytes
- Technique and readout: MTT
- Number of replicates: Good Cell Culture Practice

Dose-response curve of the single drug

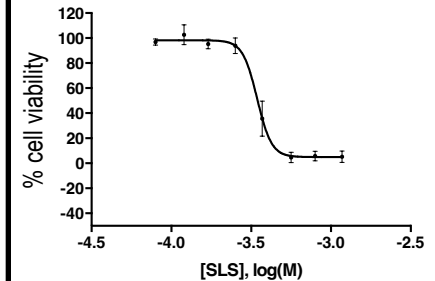


Dose-response curve of the drug combination



Controls

Sodium Lauryl Sulfate



Good Cell Culture Practice

QUALITY ASSURANCE

Thank you

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