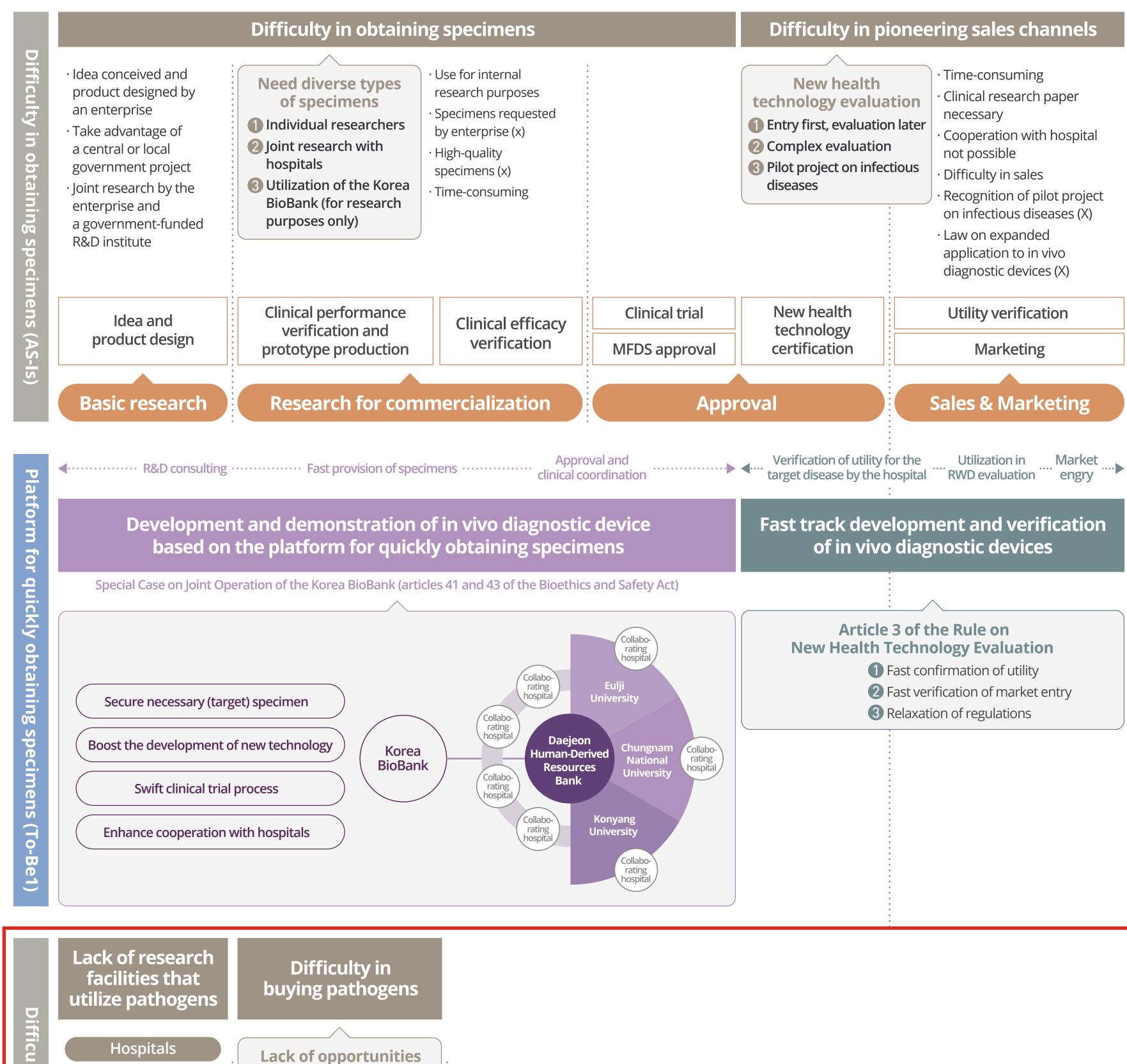
## **Dynamic and Innovative Growth Biomedical Regulation-Free Zone Operating System**





Lack of opportunities to gain R&D capacity related to pathogen treatment agents

## Enterprises

Difficulties in developing new drugs due to the lack of research facilities that utilize pathogens

> Discovery and optimization of drug candidates

for joint new drug development

- Difficulties in buying and utilizing pathogen resources
- ② Difficulties in carrying out related basic research and pre-clinical trials

Inquiries on efficacy and safety

Lack of environment for early commercialization based on preemptive R&D

**Checking efficacy** and safety

Apply for MFDS approval

NHIS registration and approval

Safety monitoring and prescription

**Basic research** 

**Preclinical trial** 

Phase 1 to 3 clinical trials MFDS review and approval for sale

Sales and postmarketing surveillance

Early commercialization of treatment agents using research facilities for shared use of pathogen resources

## Research facilities for shared use of pathogen resources

Pathogen Clean animal lab resources storage **Negative-**

BL-3

lab

**Breeding** lab

Preemptive R&D (To-Be2)

pressure room

BL-3 BL-3 lab lab

ABL-3

lab

**BL-3 Lab** 

- · Articles 22 and 23 of the Infectious Disease Control and Prevention Act
  - · Article 14 of the Act on the Promotion of Collection, Management, and Utilization of Pathogen Resources
    - · Article 22 of the Transboundary Movement, etc. of Living Modified Organisms Act
- Installation of shared research facilities at a pathogen resources bank
- Approval of sales of pathogen resources and high-risk pathogens to enterprises
- Approval for enterprises to bring in pathogens
- Approval of development of and experiments on genetically modified organisms
- **(5)** Faster approval of genetically modified organisms