



World Organisation
for Animal Health
Founded as OIE



26th SEACFMD National Coordinators Meeting
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**Synergy in prevention and control of FMD and
other TADs: FMD and LSD (Thailand)**

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Thailand





Synergy Activities

01

Disease Notification

E-smart surveillance system is a reporting system which DLD develop to gathering information about animal disease outbreak

02

Surveillance

DLD animal disease surveillance system is implemented with cooperation from local leader and livestock volunteer for early detection

03

Animal Importation

Disease testing is implement when the animals arrive at the border of Thailand. AQS staff will collect blood sample from animal which can test for FMD, LSD, Brucella

04

Animal Quarantine

Animal must be quarantine under quarantine stations which are certified by DLD. It takes 28 days for quarantine peroid that comprehend incubation period of regulating disease

05

Vaccination

Vaccination campaigns of FMD and LSD are implement in the meantime to reduce work load and concumption of man power

06

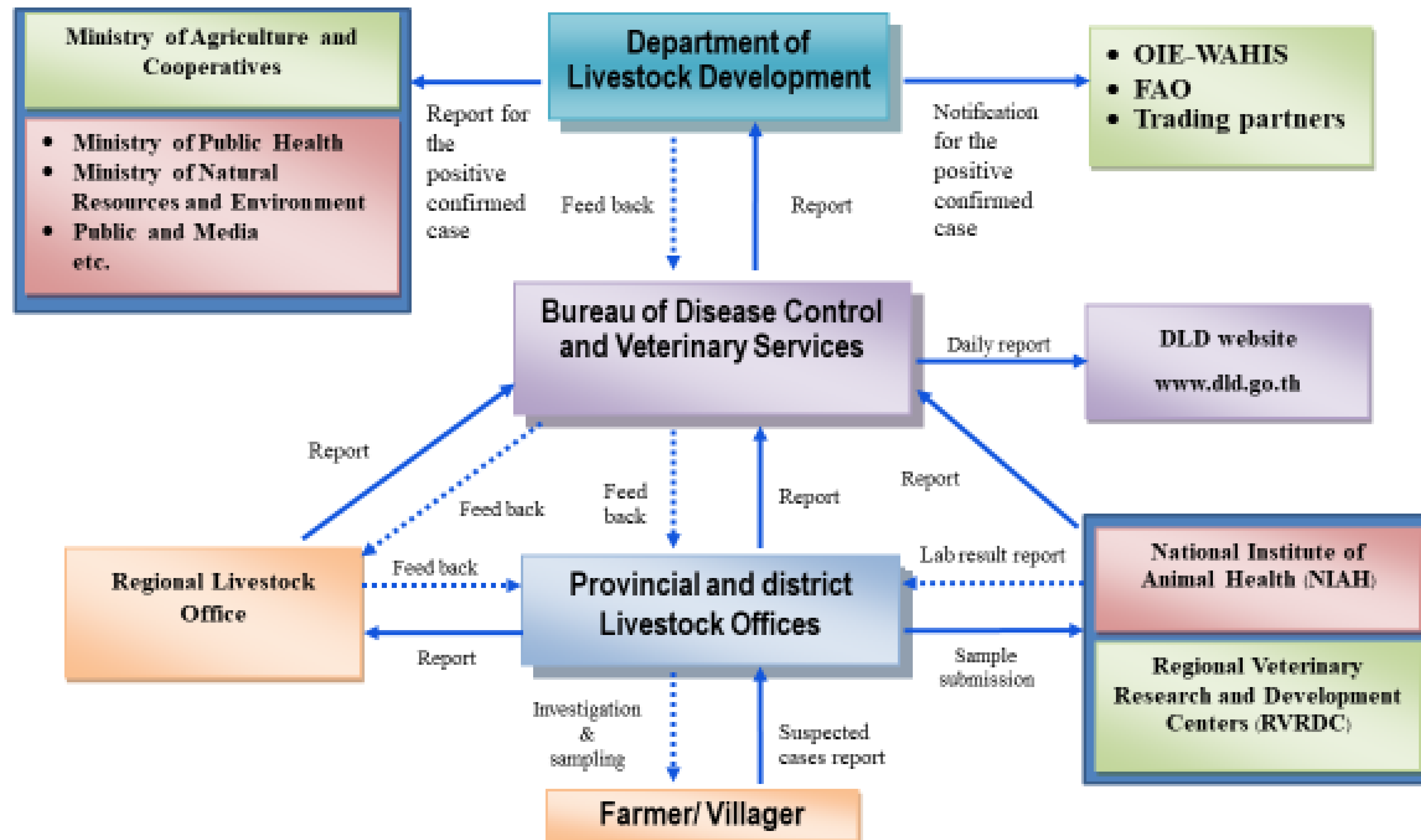
Communication

Disease communication and veterinary services (health check) are provided to the farmer together for encoraging participation and also improve animal health.

1.

- E-smart surveillance system is a reporting system which DLD develop to gathering information about animal disease outbreak

Animal Disease Reporting System of DLD



2. Surveillance

- Implementing the DLD (Department of Livestock Development) Animal Disease Surveillance System
- Collaboration with Local Leaders and Livestock Volunteers
- Goal: Early Detection of Diseases for Rapid Response

3. Animal Importation

- Animal Importation Protocol
 - Disease testing upon animal arrival at the Thai border
- Testing Process:
 - AQS staff collect blood samples
- Targeted Diseases:
 - FMD, LSD, Brucella detection

4. Animal Quarantine

- Quarantine Stations:
 - Certified by DLD (Department of Livestock Development)
- Quarantine Period:
 - 28 days duration
- Comprehensive Approach:
 - Encompasses the incubation period of regulating diseases like FMD and LSD.

SOP OF CATTLE IMPORT

Traders' documents

1. R 10 Form (Trader permit)
2. Certification of private quarantine station

Documentation

Trader submits Form R 1/1 via Electronic Service

Form R 6

Issue permit

AQS

Form R 7

Custom payment

Animals arrive at border AQS

Field work at border

- Clinical exam
- Vaccination (include LSD)
- ID installation
- Hot iron branding
- Blood collection, TB test

Plus insect vector control during the quarantine

Quarantine 21 days

Extend the quarantine duration for imported cattle from 21 to 28 days

Clinical exam and release into Livestock market

5. Vaccination

- Vaccination Campaigns
 - Implemented for FMD and LSD
 - Researching Immune Response: Investigating the Effects of Concurrent or Slightly Offset Vaccination Periods for FMD and LSD
 - Guidelines for Developing Lumpy Skin Disease Vaccine Production from Pilot to Industrial Scale.
- Optimizing Resources
 - Reducing workload and manpower consumption
- Strategic Approach
 - Enhancing prevention and control efforts during the same timeframe

Guidelines for Developing Lumpy Skin Disease Vaccine Production from Pilot to Industrial Scale.

Recently,
(Oil inactivated vaccine)

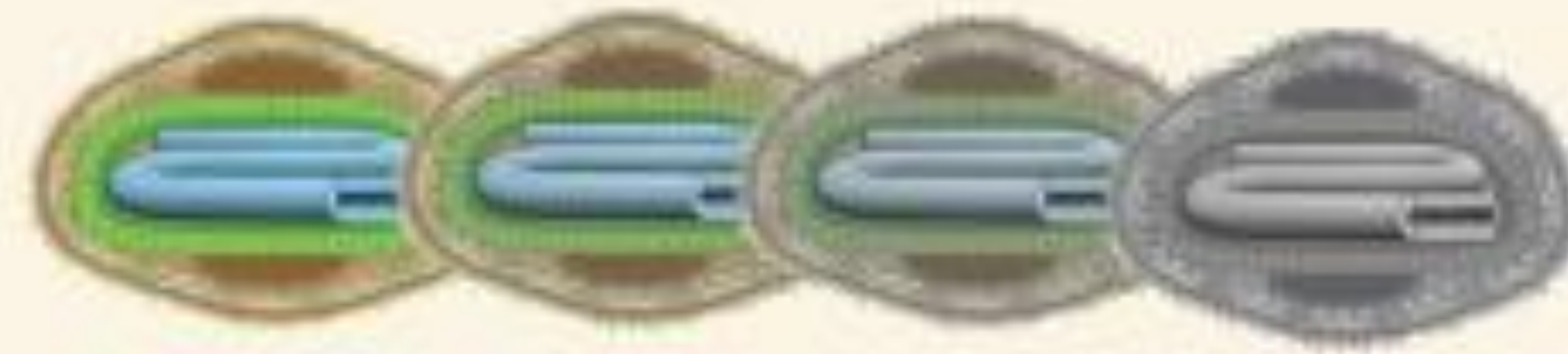


Expanding Vaccine Production to Roller Large Scale
3,000,000 doses per year)

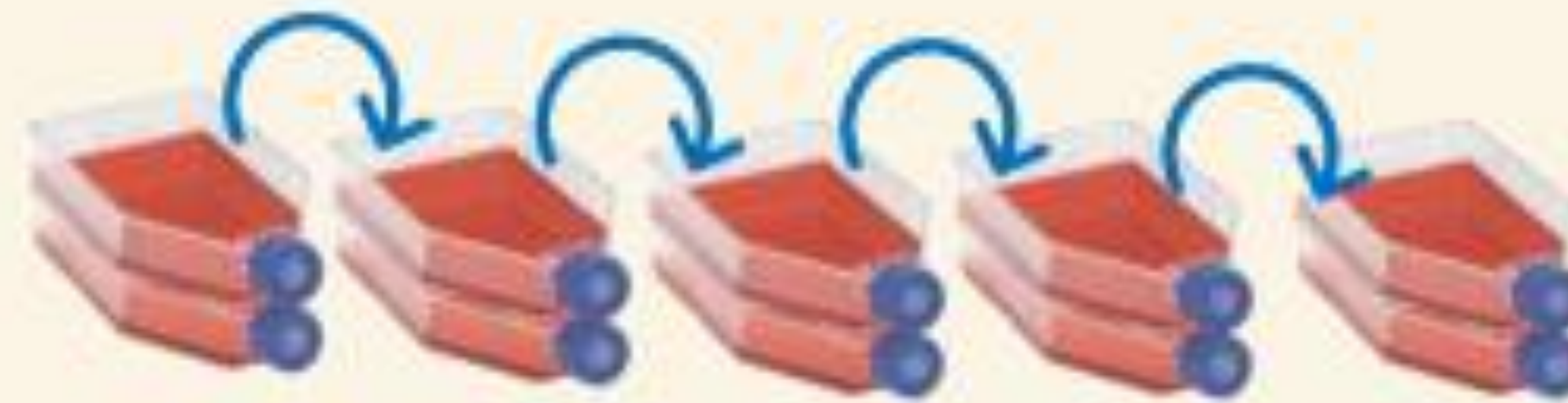
Research for Future:
Expanding Vaccine Production to Suspension Cell in the Bioreactor System.



Research for Prototype,
(Live attenuated)



Continuously Cultivated in Cells at Passage 18 and in Different Types of Cells at Passage 5.



Research for Prototype,
New generation vaccine



Recombinant protein vaccine

DNA vaccine



Currently in collaborative development with the university sector.

6. Communication

- Integrated Approach:
 - Disease communication and veterinary services (health check) provided jointly to farmers
- Promoting Engagement:
 - Encouraging farmer participation through combined efforts
- Enhanced Animal Health:
 - Simultaneous provision of services contributes to improved animal well-being.

Thank you