

Development and expanding the use of simple and rapid diagnostic kits for animal protozoan diseases in Mongolia

(International Collaborative Research Program : Science and Technology Research Partnership for Sustainable Development (SATREPS))

- This project aimed to develop and introduce simple and rapid diagnostic kits for trypanosomiasis and piroplasmiasis that are prevalent in Mongolia.
- Seven enzyme-linked immunosorbent assays (ELISA) and three immunochromatographic assays (ICT) were developed through this project. These diagnostic kits were approved by the Mongolian government in March 2018 and have since been manufactured and sold by the Institute of Veterinary Medicine (IVM) of the Mongolian University of Life Sciences. General Authority for Veterinary Services distributes these diagnostic kits, which are currently used in livestock farms across Mongolia.
- IVM acquired ISO 17025 certification in December 2015 to ensure internationally recognized quality standards for laboratory testing and diagnostic services.
- In June 2018, the recommendations of this project were incorporated into four guidelines for the management of protozoan diseases in accordance with the newly enacted Animal Health Law in Mongolia. These guidelines have been adopted by the Ministry of Food, Agriculture and Light Industry of Mongolia.

<Reference>

- Project Title: Epidemiological Studies on Animal Protozoan Diseases in Mongolia and Development of Effective Diagnostics Measures
- Research Period: FY 2013 – FY 2018
- Principal Researcher:
(Japan) YOKOYAMA Naoaki (Professor, Obihiro University of Agriculture and Veterinary Medicine)
(Mongolia) Badgar Battsetseg (Director, Institute of Veterinary Medicine, Mongolian University of Life Sciences)

Regional veterinarians receiving training on diagnostic methods at IVM



Field evaluation of a rapid diagnostic kit



Rapid diagnostic kits developed in this project

