

## New version of near pen-side diagnostic assay, a diagnostic tool farmers or meat inspectors in Kenya and Uganda could use to detect *Taenia solium* cyst infections (cysticercosis) in pigs

**Project Title:** P355 - Evidence base on the benefits of joint agriculture and health interventions against zoonotic disease

**Description of the innovation:** A simple, handheld diagnostic tool farmers or meat inspectors can use to detect *Taenia solium* cyst infections (cysticercosis) in pigs for rapid diagnosis and prevention of contaminated pork being entered into the food chain.

**New Innovation:** No

**Stage of innovation:** Stage 2: successful piloting (PIL - end of piloting phase)

**Innovation type:** Biophysical Research

**Geographic Scope:** Multi-national

**Number of individual improved lines/varieties:** <Not Applicable>

**Country(ies):**

- Uganda
- Kenya

**Description of Stage reached:** In 2018, the innovation reached end of piloting, but based on poor results, it moved back into proof of concept with a different partner. Now in 2021, a second version of the penside test was developed and tested in the field in two countries and is demonstrating promising results.

**Name of lead organization/entity to take innovation to this stage:** <Not Defined>

**Names of top five contributing organizations/entities to this stage:**

- CDC - Centers for Disease Control and Prevention
- TUM - Technical University of Munich - Technische Universität München
- ILRI - International Livestock Research Institute

**Milestones:**

• Stakeholders (farmers and field veterinarians) have access to a validated and semi-commercialized pen-side diagnostic assay for cysticercosis

**Sub-IDs:**

- 20 - Reduced livestock and fish disease risks associated with intensification and climate change

**Contributing Centers/PPA partners:**

- ILRI - International Livestock Research Institute

**Evidence link:**

- <https://tinyurl.com/26zccnvo>

**Deliverables associated:** <Not Defined>

**Contributing CRPs/Platforms:**

- A4NH - Agriculture for Nutrition and Health