

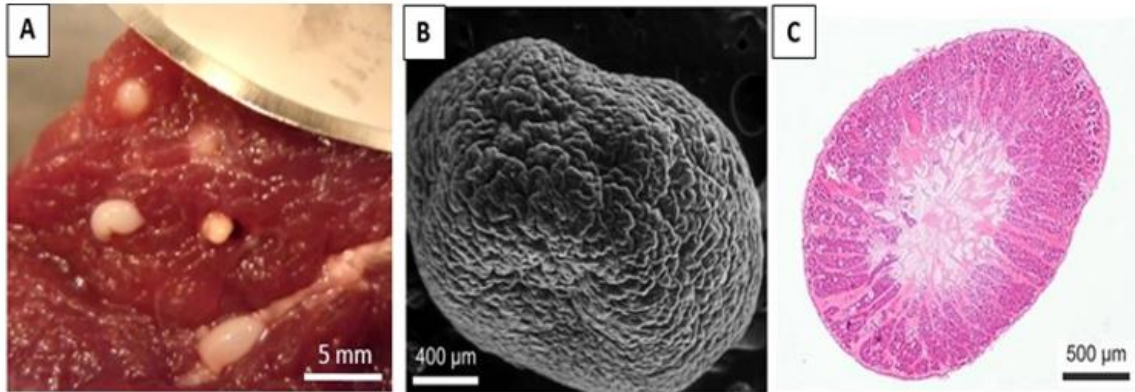
5-18-P

Technology

Animal Health

DIAGNOSTIC KIT

### ELISA to Diagnose Sarcocystosis in South American Camelidae



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BIOPATHOLOGY

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#camelidae | #llamas | #sarcocystosis | #protein | #immunoassay | #elisa

<https://www.argentina.gob.ar/inta/tecnologias/elisa-para-el-diagnostico-serologico-de-sarcocistiosis-en-camelidos-sudamericanos>

Camelidae farming (*llamas* and *alpacas*) in South America amounts to 7 million animals. A serious problem that impairs production and marketing of meat from Camelidae is the presence of macroscopic cysts between muscle fibers. The causal agent is the coccidia protozoa *Sarcocystis aucheniae*, which is only detected at the time of slaughter, when cysts become visible. At present there are no diagnostic methods available.

The INTA Biopathology Institute carried out the identification, expression and characterization of a recombinant protein for *S. aucheniae*. Hence, an ELISA method is under development to detect this parasitosis in live animals.

Animal health companies interested in serving the parasite diagnosis market for Camelidae and sarcocystosis control.

Fast and simple detection technology in the veterinary laboratories.

Scalable at industrial level.

Strengthening of the economy in Andean regions.

Recombinant protein for *S. aucheniae*. Serum diagnostic method require improvement via assays using the recombinant protein. Scaling and marketing.

Qualifies for invention patent application.