

Thermostable vaccine against PPR disease

Reliable, Effective, and Accessible Disease Control for Small Ruminants.

The vaccine, available in two forms, effectively protects small ruminants against PPR. The ILRI thermotolerant PPR vaccine, produced through the Thermovac process, and Xerovac are both stable at ambient temperatures, even enduring spikes of 38°C for 9 days and 40°C for 7 days.



International Livestock Research Institute (ILRI)
Tunde Amole

Technology from

ProPAS

Commodities

Small livestock

Sustainable Development Goals

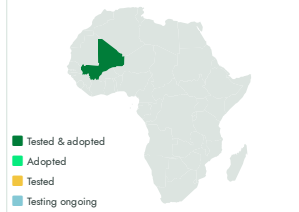


+ 1 more

Categories

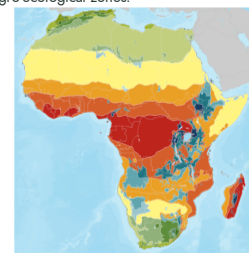
Production, Inputs, Pesticide

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Breeders

✓ This technology is **TAAT1 validated**.

8·7



Scaling readiness: idea maturity 8/9; level of use 7/9

Project adoption

The technology has been integrated in the **ENSURE project**: in 7 regions of the East African Community

Inclusion assessment **5**

Climate impact **5**

Problem

- High mortality rates among small ruminants due to PPR.
- Limited vaccine storage options hindering widespread use.
- Economic losses estimated at USD 2.1 billion yearly.
- Previous constraints in maintaining vaccine stability.
- Restricted coverage of vaccination campaigns.

Solution

- No need for cold storage, easing access and logistics.
- Effective for up to one week without refrigeration.
- Demonstrated efficacy in multiple countries against PPR.
- Reduces storage costs, making it more affordable.
- Vaccinates more animals in less time, enhancing disease control.

Key points to design your program

Thermostable Vaccine against PPR Disease can be integrated into livestock development, animal health, food security, and climate resilience programs to improve livestock productivity, reduce disease outbreaks, and strengthen pastoral livelihoods. Its adoption contributes to **SDGs 1, 2, 3, 8, 9, 12, and 13**. To integrate this technology into your project, plan and budget for the following activities and prerequisites:

- **Facilitate access** to thermostable PPR vaccines, vaccination equipment, and delivery systems.
- **Establish partnerships** with **ILRI**, national veterinary services, and veterinary authorities.
- **Conduct** vaccination campaigns and training on vaccine handling, disease surveillance, and outbreak reporting, and **monitor** vaccination coverage, PPR incidence, and livestock productivity.



Open source / open access



Thermostable vaccine against PPR disease

<https://taat.africa/vsm>

Last updated on 3 July 2026 printed on 3 July 2026

Enquiries e-catalogs@taat.africa