

# THE PIRBRIGHT INSTITUTE PESTE-TEST: RAPID FIELD TEST KIT FOR PESTE DES PETITS RUMINANTS VIRUS (PPRV) INFECTION

**Peste des Petits Ruminants (PPR) is a viral disease of sheep and goats.**

PPR is now widespread in large parts of Asia, the Middle East and Africa. Clinical signs include fever, congestion and discharge from the eyes and nose, respiratory problems, erosive sores in the mouth, and diarrhoea.

The virus that causes PPR (PPRV) is highly contagious, and rapid diagnosis is essential to ensure the correct control measures are put in place to limit the spread of the disease. Diagnosis in the field, or at the pen-side, can save the 1-3 days required for transport of samples to a laboratory and laboratory testing.



**THE PESTE-TEST:** RAPID FIELD TEST DETECTS VIRUS USING SUPERFICIAL SWABS FROM LIVE ANIMALS, IS FAST AND EASY TO PERFORM, PROVIDING AN ACCURATE DIAGNOSIS AT THE PEN-SIDE WITHIN 20 MINUTES.

- SPECIES:** Sheep and goat (with additional field evidence for camel and antelope)
- RAPID:** Results within 20 minutes
- EASY:** Requires no laboratory equipment
- SIMPLE:** Only requires swab sample from eyes or nose of animal
- DETECTS:** All four known genetic lineages of PPRV
- VALIDATED:** With experimental and field samples
- SENSITIVE:** 84% (relative to PCR) and can detect before clinical signs
- SPECIFIC:** 95% (100% with ocular sample)

## KIT CONTENTS:

- 25 Lateral Flow Devices
- 25 swabs
- 25 sample tubes
- 25 pastettes
- 20ml buffer solution
- Comprehensive operating instructions



<b>FORMAT:</b>	Lateral flow device (LFD) based on monoclonal antibody
<b>TEST CONTROL:</b>	Each LFD incorporates a control line to indicate test validity
<b>KIT SIZE:</b>	25 LFDs per kit (samples 25)
<b>SHELF LIFE:</b>	Minimum 18 months

## FOR ORDERING AND PRICING PLEASE CONTACT:

[PIRBRIGHT.REAGENTS@PIRBRIGHT.AC.UK](mailto:PIRBRIGHT.REAGENTS@PIRBRIGHT.AC.UK)

**PRODUCT NAME:** PESTE-TEST: RAPID FIELD TEST KIT

REFERENCE: BARON, J., FISHBOURNE, E., COUACY-HYMAN, E., ABUBAKA, M., JONES, B.A., FROST, L., HERBERT, R., CHIBSSA, T.R., VAN'T FLOOSTER, G., AFZAL, M., AYEBAZIBWE, C., TOYE, P., BASHIRUDDIN, J.M BARON, M.D. (2014). Development and Testing of a Field Diagnostic Assay for Peste des Petits Ruminants Virus. *Transboundary and Emerging Diseases* 61, 390 – 396.

PRODUCED BY  
THE PIRBRIGHT INSTITUTE

