

FEC testing for FEC EBV

All prices are excluding VAT and include all sampling material (bags / gloves etc.) and postage (prepaid post bags / packs will be provided).

- Pre Monitoring Samples (to ensure a high enough FEC count before start) = **£12.00 per sample**. (we will provide 3 X Packs so they have spares if first samples too low – alternatively they can use their local Vet or own testing method)

Individual sheep FEC analysis – batch sizes are based on per farm basis.

- If less than 99 samples = **£6.50 / sample**
- If between 100 and 299 samples = **£5.50 / sample**
- If more than 300 samples = **£5.00 / sample**

Notes

All testing will be done using the **new FECPAK^{G2} system**. This has significant benefits over traditional FEC testing methods in terms of quality assurance and reliability: -

- The test involves a lab technician processing samples and uploading a digital image of the sample on the cloud based FECPAK^{G2} software. (see attached image as an example).
- The image is then marked up by validated technician's which means each egg is marked with a coloured dot using a mouse and the software automatically counts the eggs of each type (Strongyles and Nematodirus) and calculates the EPG.
- This causes less human error with missing eggs in a microscope scan and manually counting.
- The images are stored on the cloud based software and certain percentages are verified by senior technicians.
- If there is a query over certain sample results, then sample images can be retrieved and checked again and even shared with interested parties.
- Another benefit is that sample images don't have to be counted immediately which means technicians can focus on processing samples and capturing images before significant degradation has occurred.
- The marking up of images can be done remotely from the lab and we have technicians based in the UK and New Zealand who can mark up images to help reach BLUP deadlines.
- Work has already started to determine if speciation can be done by using image recognition software based on the picture we generate. If this is possible then this will be a major advancement in breeding for worm resistance. If this is developed in the future, then it may be possible to run this analysis on stored images from historic data collection.
- See the website link below for more information on FECPAK^{G2} – www.techiongroup.com

Barcode Labels

- It is possible to provide sheets of barcoded labels to the breeder. This will require a prelist of animals they want to test form Signet and then we print off labels where the ID is turned into a barcode and printed on labels with the ID in numerical form. The breeder then needs to find the corresponding label when sampling and stick on the sampling bags. This can be done within the price quoted above.

BREEDING FOR WORM RESISTANCE WITH SIGNET

Ask us more about our EBV
service in cooperation with Signet!

Complete sampling kits are provided by
Techion UK Ltd.

Individual samples are processed in our lab
using the **FECPAK^{G2}** system.

Contact us

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