**Markers of anthelmintic resistance in gastro-intestinal parasites of ruminants**

**Consent Form**

The project, Markers of anthelmintic resistance in gastro-intestinal parasites of ruminants, is being undertaken at the University of Glasgow as part of a wider study looking into resistance of ruminant nematodes. In particular *Teladorsagia circumcincta* and *Haemonchus contortus*, two parasites of sheep, are being studied at various institutions.

As part of this wider project I will be looking at the DNA of *Teladorsagia circumcincta* (the Brown Stomach worm) for changes within its genome which might be linked to ivermectin resistance. To do this I will be collecting faecal samples from pasture pre and post treatment with ivermectin, the treatment being given as part of the routine management of the farms.

In addition to data about the worm’s DNA I would like to collect data about farm management, pasture management and sheep flock husbandry to better interpret the genomic data. This will include details of anthelmintic treatments, both current and historical. Any known parasite species present on the farm, resistance status (if known) and other common diseases present within the flock will also be helpful. The production data, including liveweights of sheep (especially those used for sample collection), will be required. Flock details, including sourcing and quarantine of replacements will be important.

Any data recorded will be used anonymously and handled confidentially. All data will be available to other members of the wider research team (the BUG group). All data will be stored anonymously and any data which is not deemed essential will be destroyed once the project is completed.

Feedback will be provided to yourself over the course of the project as your own farm’s data is analysed. In addition general findings from the project as a whole will be made public.

You will only be required to share the data you wish to provide, though certain key elements (such as those above) will be considered essential for useful data interpretation. Similarly if there is information which has not been discussed but which you feel might contribute to better understanding roundworm resistance patterns in sheep we would be glad of the additional information.

**By signing below you consent for the use of sheep faecal material gathered from your flock to be used for obtaining and studying nematode larvae. You also agree to the collection and analysis of various types of farm and flock management data as detailed, but not limited by, the above description.**

**Signed: ………………………………………………..**

**Date: …………………………………………………..**