Scottish Deer Health Survey 2017-2019



Background

- Survey of Scottish wild deer to determine the prevalence of three diseases with relevance to human and deer health
- Run by Moredun Research Institute (lead) and the University of Edinburgh
- Funded jointly by FSS and the Scottish Government

E. coli O157: bacteria in faeces which can cause human disease

<u>Cryptosporidium</u>: parasite which causes disease in humans and deer

<u>CWD (Chronic Wasting disease)</u>: prion disease affecting the deer (but not human) nervous system. Has not been reported in the UK

Sample packs

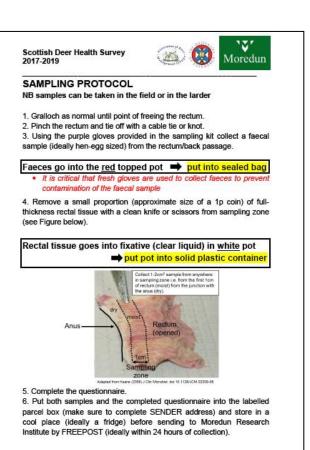
Gloves

Sample protocol/questionnaire



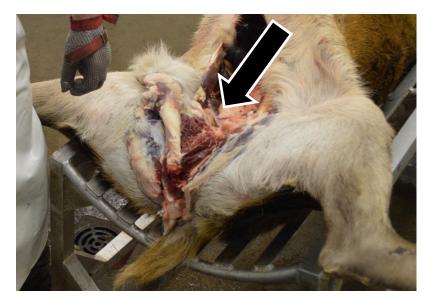
Rectal tissue sample pot within plastic container

Faecal sample pot



Sample collection





In the field OR in the larder - whichever is easier!

Faecal samples for *E. coli* and Cryptosporidium screening

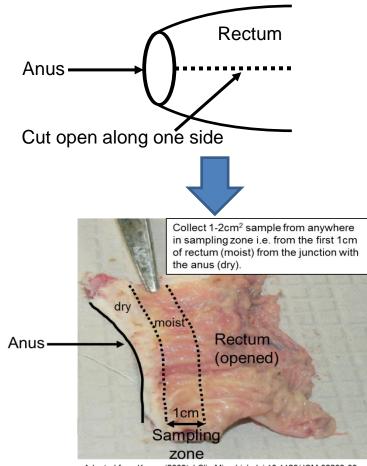
Faecal sample (egg sized) into <u>red topped</u> pot then into plastic bag





Wearing gloves provided is essential when collecting the sample (for sterility)

Collect from rectal sampling zone



Adapted from Keane (2009) J Clin Microbiol. doi:10.1128/JCM.02209-08

Tissue sample into <u>white pot</u> containing fixative *then into plastic container*

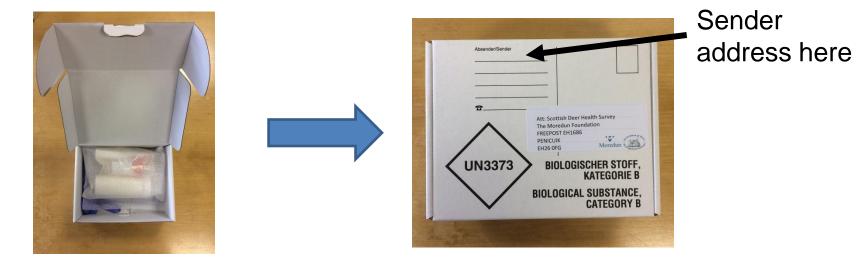


Complete the questionnaire

Scottish Deer Health Survey 2017-2019 Moredun	
QUESTIONNAI	RE
Date	
Time	
OS Reference of cull site	OS Sheet
	6-digit grid reference:
Larder Address	
Deer species	Red Roe Sika Other If other provide details:
Gender	Male 🗆 Female 🗆
Estimated age	years
Shared range with other livestock/ wild herbivores	Cattle Sheep Wild herbivores

THANK-YOU FOR PARTICIPATING IN THIS SURVEY

Send back samples and questionnaire in pre-paid parcel to Moredun Research Institute



- Complete SENDER address
- Packs sent by Royal Mail FREEPOST, ideally within 24 hr of collection
- Store packs in cool area (ideally a fridge) before sending

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Thank-you for participating in this survey