



CLOSTRIDIAL DISEASES

Are you correctly diagnosing & vaccinating?

Crucial information in protecting your herd against a specific, diagnosed Clostridial Disease.

NO

ISOLATION OR TYPING OF *C. PERFRINGENS* TYPE B OR TYPE C IN LAST 30 YEARS



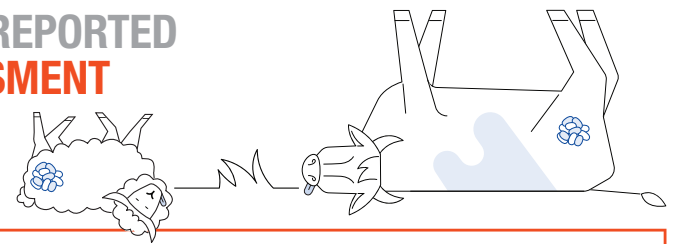
Evidence from **actual isolates from suspected cases** shows that there has been **no isolation or typing of *C. perfringens* type B or C** in the last 30 years.

(Ref: Dr Henton)

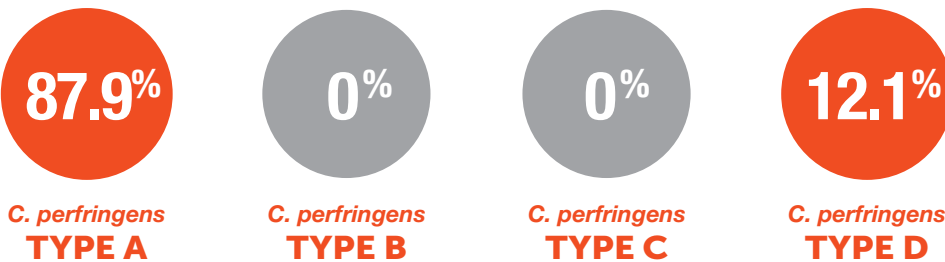
PROTECTION AGAINST THE MOST COMMON TOXIGENIC STRAINS IS KEY TO YOUR VACCINE PROGRAM.

- Why vaccinate against diseases that are not prevalent in your farm.
- Don't incorrectly vaccinate animals if the disease only occurs (rarely) in lambs 0-14 days only.

IT IS IMPORTANT TO HIGHLIGHT THAT UTILISING DATA FROM REPORTED CASES IS **NOT SUFFICIENT TO MAKE A CORRECT RISK ASSESSMENT** BECAUSE ***C. PERFRINGENS* TYPE B IS OFTEN MISDIAGNOSED** PURELY ON CLINICAL OBSERVATIONS.



VALUATION OF MOLECULAR TYPING OF *C. PERFRINGENS* TYPES SUBMITTED TO ARC-OVI: JAN 2009 – NOV 2009



NO SAMPLES WERE IDENTIFIED AS POSITIVE FOR SEROTYPE B OR SEROTYPE C DURING THE 10 MONTH EVALUATION PERIOD.

The isolates were isolated from various animal species and characterised by PCR that targeted alpha, beta epsilon and iota genes. Reference strains for *C. perfringens* types A, B, C and D were used as control samples. During the 10 month evaluation period, 58 samples positively identified as *Clostridium perfringens* were submitted.

(Madoroba, E., Gelaw, A. K., Hlokwe, T. and Mnisi, M. S. 2010. Molecular typing of *Clostridium perfringens* types among animals in South Africa. Proceedings of the 9th annual congress, Southern African Society for Veterinary Epidemiology and Preventative Medicine, p18-20).

THE DIFFERENCE BETWEEN CLINICAL OBSERVATIONS DIAGNOSIS BY VETS* **VS** VETDIAGNOSTIX ISOLATION & TYPING

***C. perfringens* TYPE B**

***C. perfringens* TYPE C**

6 CLINICAL DIAGNOSES	9 CLINICAL DIAGNOSES	14 CLINICAL DIAGNOSES	9 CLINICAL DIAGNOSES	6 CLINICAL DIAGNOSES	0 CLINICAL DIAGNOSES	0 CLINICAL DIAGNOSES	0 CLINICAL DIAGNOSES	0 CLINICAL DIAGNOSES	0 CLINICAL DIAGNOSES
0 ISOLATION & TYPED	0 ISOLATION & TYPED	0 ISOLATION & TYPED	0 ISOLATION & TYPED	0 ISOLATION & TYPED	0 ISOLATION & TYPED	0 ISOLATION & TYPED	0 ISOLATION & TYPED	0 ISOLATION & TYPED	0 ISOLATION & TYPED
2019	2020	2021	2022	2023	2019	2020	2021	2022	2023

Far less clinical diagnoses made by vets reported between 2019 – 2023.

* Reference: Vet Network



IS YOUR HERD AT RISK?

Send samples from affected animals for isolation and typing to VetDiagnostix (Dr M. Henton) to support the diagnosis with isolation and typing the correct serotype.

