FENCOVIS®

ADVANCING PROTECTION
AGAINST CALF SCOUR

HELPING END THE NIGHTMARE OF CALF SCOUR

FOR A FAIRYTALE START

#CALFMATTERS

Boehringer Ingelheim

CALF SCOUR LIMITS PRODUCTION EXCELLENCE

Calf scour is a common problem found on most cattle farms and is a major cause of poor growth and calf mortality. Yet, uptake of calf scour vaccines is the lowest among all the categories of cattle vaccines[1].

POOR ANIMAL WELFARE

- Increased susceptibility to other diseases
- Delayed development
- Increased Mortality

DISTURBS DEVELOPING MICROBIOME AND GUT IMMUNITY

The microbiome is necessary for the development of the intestinal epithelium, the mucus layer, primary and secondary lymphoid structures, and immune cell differentiation

ECONOMIC LOSSES

- Decrease in growth rate
- Decreased production in first lactation.
- Age at first calving
- Costs of investigation, diagnosis and treatment

Heifers calving at 23-25 months have better fertility, produce more milk per cow over 5 years of life & have better survival[2]

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1. AHDB Calf enteritis vaccines (online)Available at https://ahdb.org.uk/knowledge-library/calf-enteritis-vaccines-cattle
2. Cooke et al., 2013 Open Journal of Animal Sciences 3:1-12.

HOW TO BREAK THE CURSE

INVESTIGATION

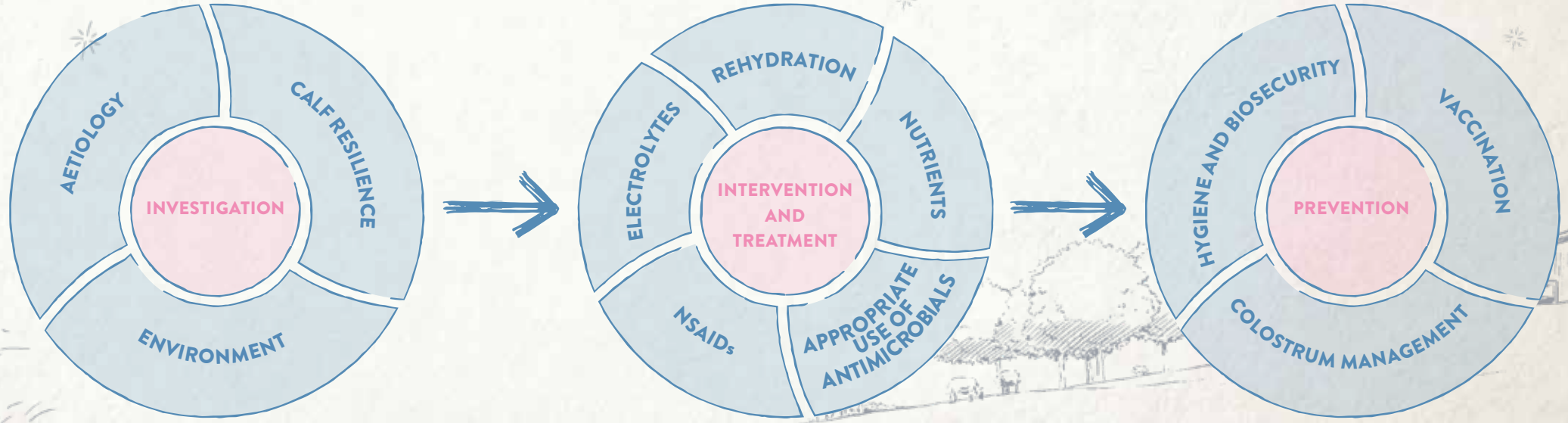
Undertake thorough investigation to determine the factors involved

INTERVENTION AND TREATMENT

Determine interventions that may be required

PREVENTION

Due to the early onset of diarrhoea in the calf's life preventative measures are key.



INTRODUCING FENCOVIS

- **FENCOVIS** is a vaccine for the protection of calves against **bovine rotavirus (BRV), bovine coronavirus (BCV) and *E. coli* K99**
- Efficacy demonstrated by data gathered in recent European challenge studies and field trials
- **FENCOVIS** combines killed antigen with an oil-free adjuvant to deliver optimal safety and efficacy
- **FENCOVIS** is part of the well established Boehringer Ingelheim cattle vaccine range

PREVENTS
diarrhoea caused by BRV and *E. coli* K99

REDUCES
the incidence and severity of diarrhoea caused by BCV

REDUCES
shedding of BRV and BCV

OIL-FREE
adjuvant vaccine

INCREASES
antibodies to BRV, BCV and *E. coli* K99 in calves from vaccinated dams

Protection against BRV proven at 7 days and against BCV proven at 14 days

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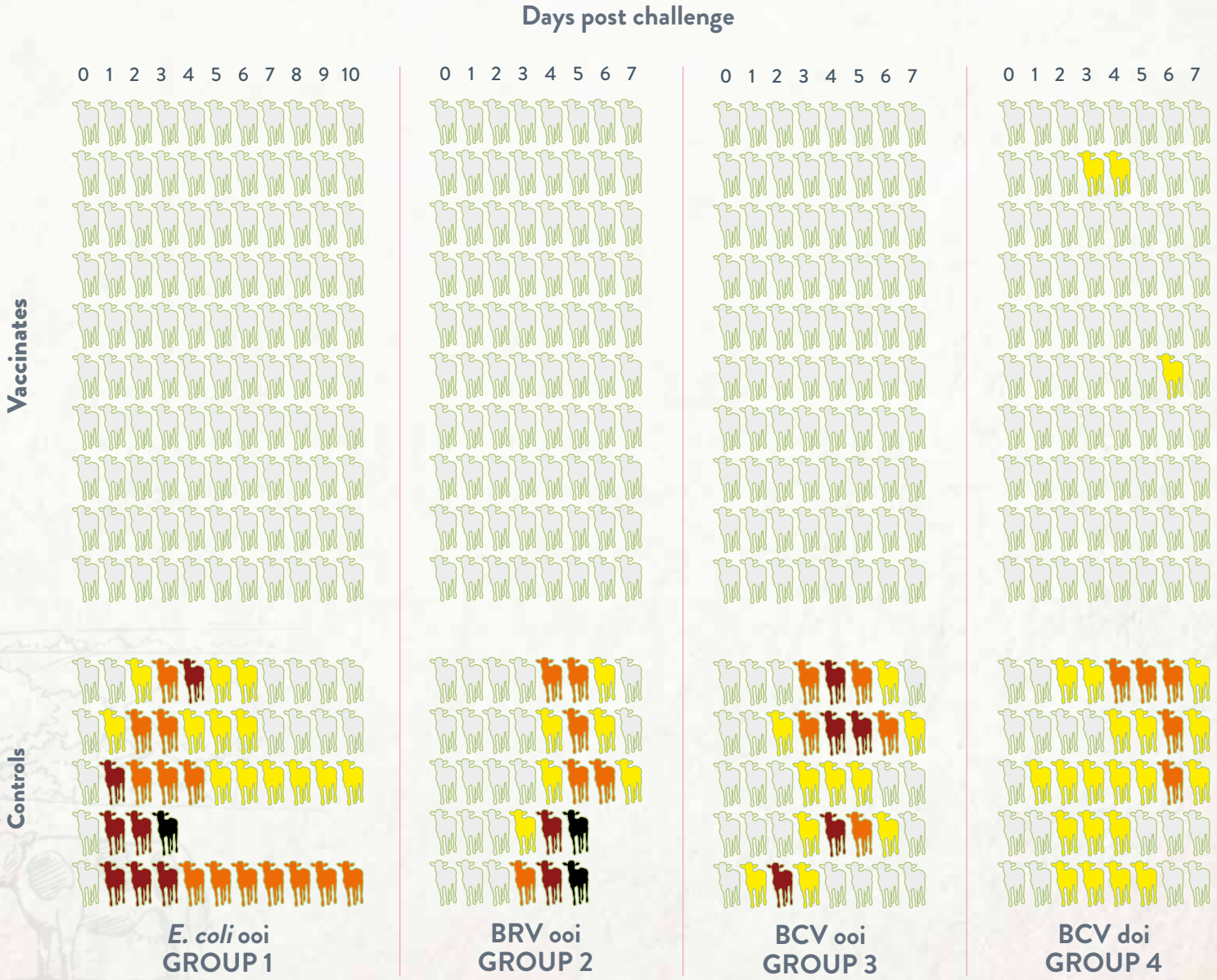
FENCOVIS: PROTECTION AGAINST BCV, BRV AND *E. COLI* K99

EXTENSIVE STUDIES DEMONSTRATED EXCELLENT PROTECTION AGAINST CALF SCOUR IN VACCINATED CALVES, ACHIEVING A PREVENTION CLAIM FOR BRV AND *E. COLI* K99



Onset and duration of immunity – laboratory study

Four groups of fifteen cattle – ten vaccinated 11-12 weeks before calving, five unvaccinated.

Calves were fed colostrum / milk from their dam for 7 days

Calves were challenged as follows:

Group 1: Challenged with *E Coli* at 12 hours old

Group 2: Challenged with Rotavirus at 7 days old

Group 3: Challenged with Coronavirus at 7 days old

Group 4: Challenged with Coronavirus at 14 days old.

Calves were monitored for clinical signs for 7-10 days

MILD DIARRHOEA

MODERATE DIARRHOEA

SEVERE DIARRHOEA

DEATH

ooi = onset of immunity study

doi = duration of immunity study

FENCOVIS: SPEAK TO YOUR VET TO FIND OUT MORE ABOUT CALF HEALTH MANAGEMENT.

FENCOVIS®

PREVENTS

diarrhoea caused by BRV and *E. coli* K99 – while reducing the incidence and severity of disease caused by BCV

ENHANCES

the immune response using an oil-free adjuvant, providing a more tissue friendly formulation for both cow and user

DELIVERS

a preventative partnership approach to drive excellence in calf health. Available through your vet.

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FENCOVIS: SCOUR PROTECTION THAT DRIVES EXCELLENCE

FENCOVIS®

- For passive immunisation of calves against Rotavirus, Coronavirus and *E. coli* K99
- Licensed to prevent scour caused by Rotavirus and *E. coli* K99
- An inactivated vaccine with an oil-free adjuvant
- 2ml single dose intramuscular injection
- Administered to dam 12-3 weeks before calving
- A ready to use injection available in 1, 5 and 25 dose packs
- Available only from your vet.

FENCOVIS®

ADVANCING PROTECTION AGAINST CALF SCOUR

- For passive immunisation of calves against Rotavirus, Coronavirus and *E. coli* K99
- Licensed to prevent scour caused by Rotavirus and *E. coli* K99
- An inactivated vaccine with an oil-free adjuvant
- 2ml single dose intramuscular injection
- Administered to dam 12-3 weeks before calving
- A ready to use injection available in 1, 5 and 25 dose packs
- Available from your veterinary surgeon.

FENCOVIS HELPING END THE NIGHTMARE OF CALF SCOUR FOR A FAIRYTALE START

PRESCRIBING INFORMATION

Fencovis® suspension for injection contains inactivated *E. coli* expressing F5 (K99) adhesin, strain O8:K35, inactivated bovine rotavirus, serotype G6P1, strain TM-91, inactivated bovine coronavirus, strain C-197. Fencovis® is indicated for active immunisation of pregnant heifers and cows in order to stimulate the development of antibodies against bovine rotavirus, bovine coronavirus and *E. coli* expressing F5 (K99) adhesin and to increase the level of passive immunity of calves against neonatal diarrhoea caused by bovine rotavirus, bovine coronavirus and *E. coli* expressing F5 (K99) adhesin. Fencovis® has been shown to prevent neonatal diarrhoea caused by bovine rotavirus and *E. coli* expressing F5 (K99) adhesin, reduce the incidence and severity of neonatal diarrhoea caused by bovine coronavirus and reduce faecal shedding of virus in calves infected with bovine rotavirus and bovine coronavirus. UK: POM-V IE: POM. Advice should be sought from the prescriber. Further information available in the SPC or from Boehringer Ingelheim Animal Health UK Ltd, RG12 8YS, UK. UK Tel: 01344 746957, IE Tel: 01 291 3985. Email: vetenquiries@boehringer-ingelheim.com. Fencovis® is a registered trademark of Boehringer Ingelheim Vetmedica GmbH, used under licence. Date of preparation: February 2023 BOV-0016-2023. Use Medicines Responsibly.

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