FASCIOLA hepatica

KNOW WHEN TO ACT

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Safeguard animal health

A safe food supply depends upon healthy animals. Parasitic infections in grazing animals lead to productivity and economic losses, and threaten an animal's well-being.[1]

Fasciola hepatica, also known as the common liver fluke, is a parasite found in wet-land grazing areas. In Europe, estimates of cattle herd exposure range from 30% to 80%.[2]

The *Fasciola hepatica* burden

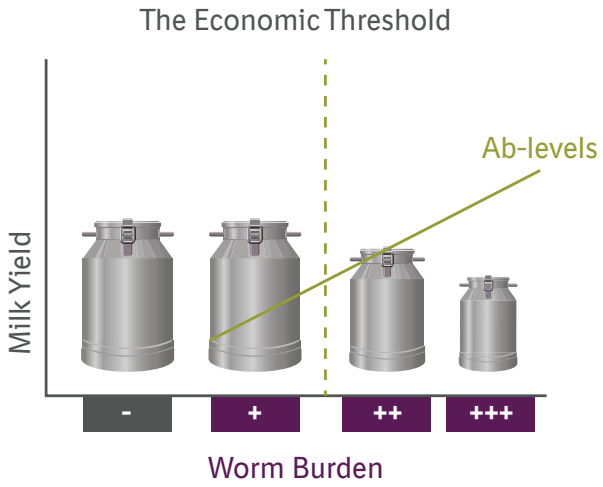
- Economic loss from reduced milk yield and fertility, and low carcass weight
- Increased costs from non-targeted anthelmintic treatment
- Potential for anthelmintic resistance with overuse of anthelmintics

Knowing when to act is critical. Diagnostics can provide valuable and timely information for better decisions about anthelmintic use. Without targeted testing, animals are often under-treated, which affects their wellness, or over-treated, which leads to anthelmintic resistance. Implementing sustainable treatment methods can help preserve the efficacy of anthelmintics in the future.

Create a sustainable anthelmintic strategy via a semi-quantitative test

Apply the test to help predict the economic impact of *Fasciola hepatica* infection to help target anthelmintic treatment. The SVANOVIR® *F. hepatica*-Ab assay detects antibodies to the pathogen both during and after infection, unlike conventional testing methods that deliver results based on pathogens present in the sample. This differentiator enables earlier insight into infection and allows for a **semi-quantitative** measurement, correlating antibody levels (parasitic exposure) to the economic consequences on milk yield and/or carcass weight. **This economic threshold shows when anthelmintic use is justifiable** (figure 1).

figure 1



SVANOVIR® *F. hepatica*-Ab advantage

- Achieve reliable results and find infection before standard testing methods through E/S protein-based analysis that detects antibodies in immature stages of the parasite and subclinical disease states
- Monitor at various stages of production on the farm, dairy or slaughterhouse and on herds or large numbers of individual animals through milk, serum and meat juice testing

SVANOVIR® *F. hepatica*-Ab ordering information

Species	Bovine		
Samples	Dairy: milk–individuals and bulk tank	Beef: serum, plasma and meat juice	
Type	Indirect ELISA based on E/S antigen		
Article Number	Tests*	Plates	Format
104896	184	2	Strips

*Tests: maximum number of tests for analysis, wells for kit controls excluded

Unwavering in our commitment

At Svanova, **we care about the health of people and animals. We are committed to our laboratory partners around the world and work to meet their needs by** delivering high performing products that can help to improve the health and well-being of all animals both now and in the future.

Uncompromising in our quality

We are dedicated to the quality of our products, processes and services. Since 2003 our ELISA products have been **developed, manufactured and supplied to the market according to the ISO 9001 quality management system,** and are certified at ISO 9001:2015 standard.

Learn how Svanova veterinary diagnostic solutions can help you monitor, prevent, control and eradicate significant animal diseases. Find out more at **www.svanova.com**, or contact your local Svanova representative.

1. Herd RP. Trematode infections in cattle sheep and goats. Current Veterinary Therapy Food Animal Practice 4th Edition, edited by J Howard,WB Saunders Company, 1999, pp 557-560.
2. Fox NH et al. Predicting impacts of climate change of Fasciola hepatica risk. PLOS ONE, 2011;6(1):e216126.doi:10.1371/journal. pone.0016126 .

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