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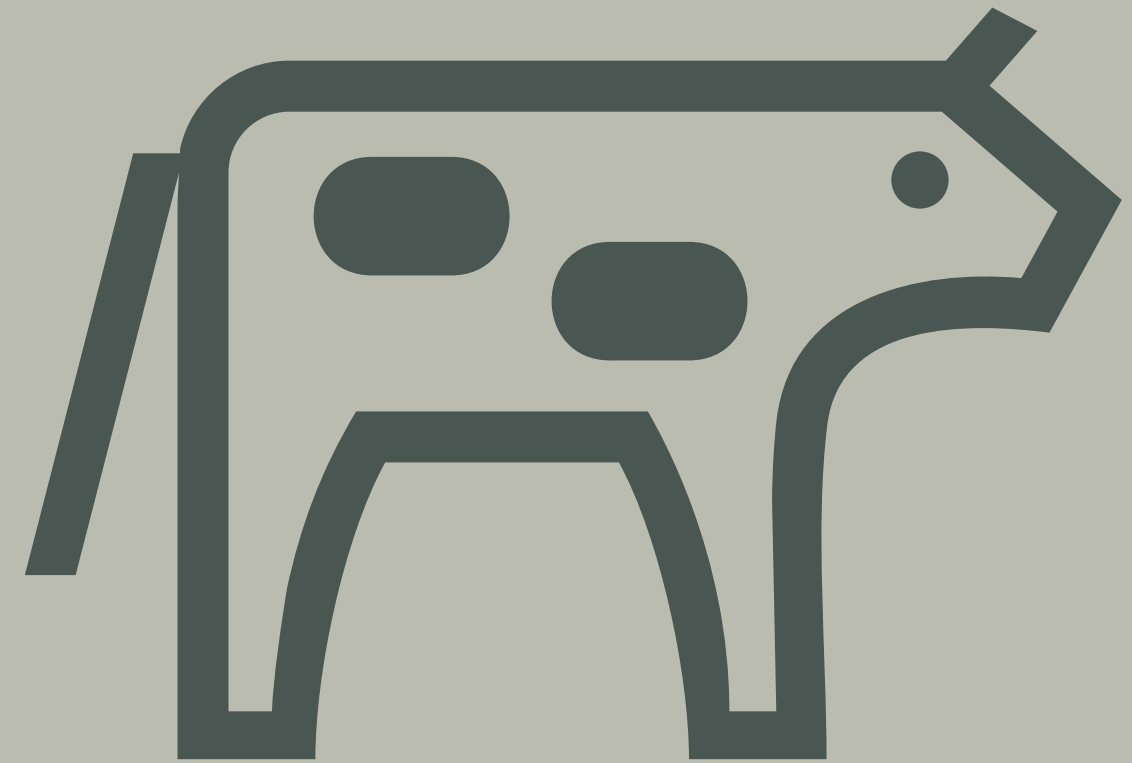
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Ruprocol®

RUMINANT



vetagro.com

VETAGRO
LIKE NO ONE ELSE®

Ruprocol®

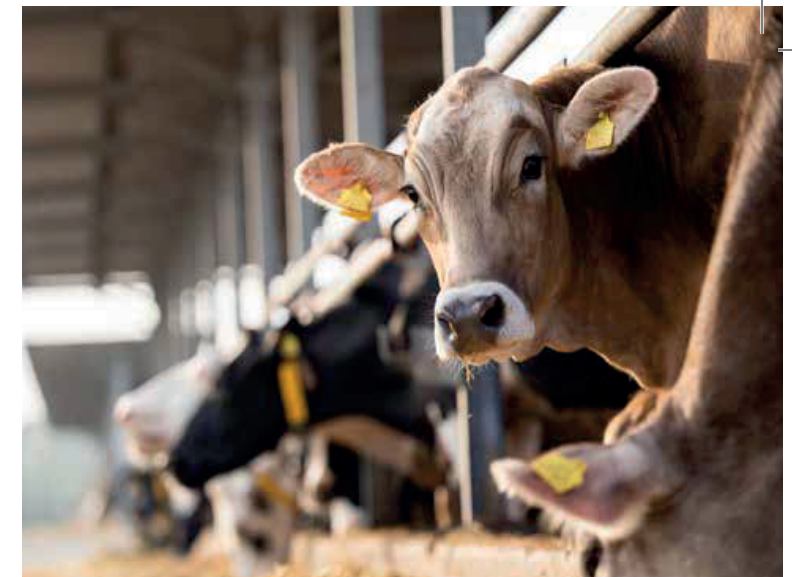


Ruprocol® is a rumen by-pass source of choline for ruminant species.



Ruprocol®

highly bioavailable choline for animal performance.



Plus



Benefits

- Improved health and performance in transition
- Ideal for improved liver functionality
- Enhanced reproductive performance



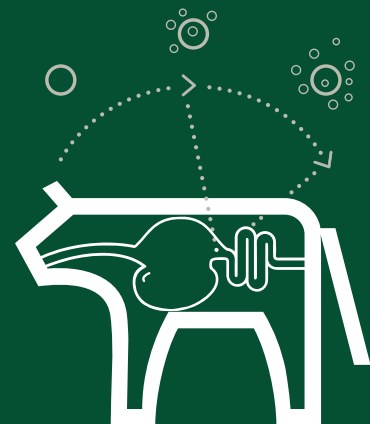
Features

- Scientifically proven bioavailability
- Can be used with **Timet**®, as a source of methionine, in fresh cows
- Suitable for on-farm or feedmill application

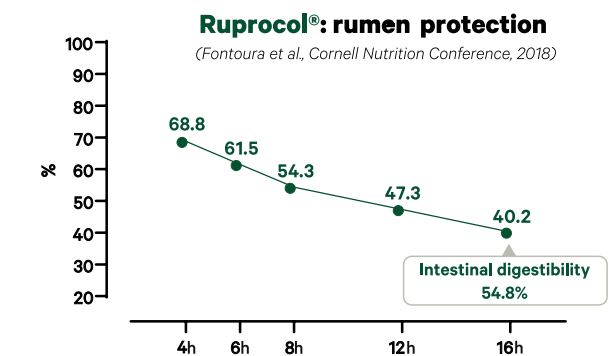
Microencapsulation technology

- Proven rumen protection
- High intestinal bioavailability
- Stability during pelleting and mechanical stress

As free choline is strongly degraded at ruminal level, **Ruprocol**® choline is microencapsulated in a lipid matrix to be highly available at the intestinal level.



Protection of choline from rumen degradation with high intestinal bioavailability



Values of **Ruprocol**® rumen-protection using the nylon bags technique and *in vitro* calculation of intestinal digestibility at 16 hours

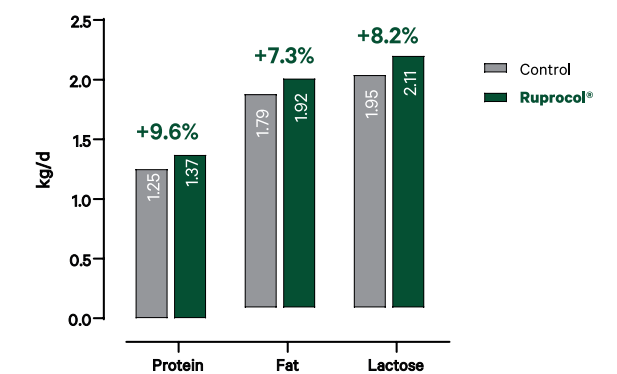


Profitability

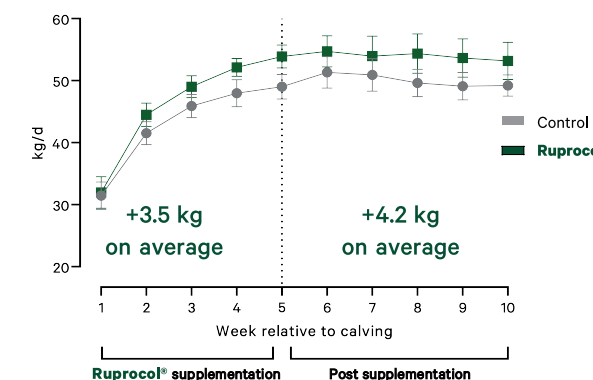
Improved milk yield and energy-corrected milk yield efficiencies

Ruprocol® in Holstein dairy cows from 21 days pre to 35 post partum
(Sáinz de la Maza-Escolà et al., ADSA Annual Meeting, 2022)

Ruprocol®: improvement on milk quality



Ruprocol®: improvement of energy-corrected milk



Ruprocol®: improvement of efficiency of pre-partum dry matter intake

