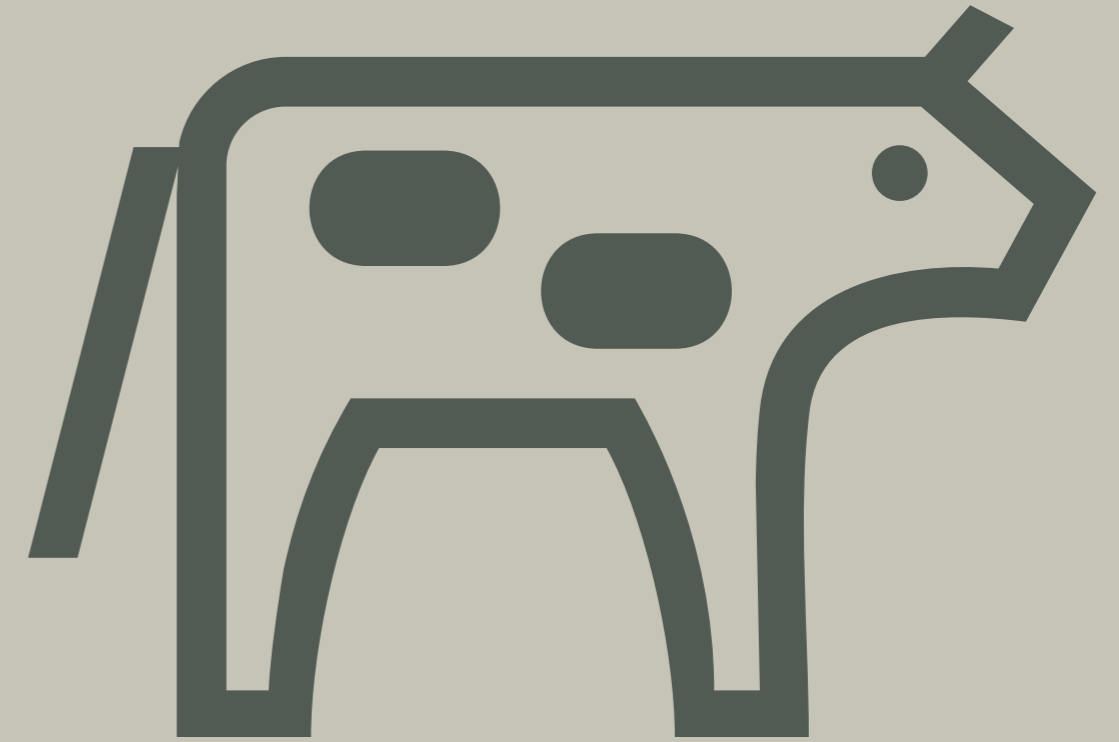


# V

# Ruprocol®

RUMINANT

ENG



## Headquarters

**Vetagro S.p.A.**  
Via Porro 2  
42124 Reggio Emilia – Italy  
info@vetagro.com  
T: +39 0522 186 1500

## Other Offices

**Vetagro Eastern Europe Kft.**  
Váci utca 81 IV floor  
1056 Budapest – Hungary  
info@vetagro.com

**Vetagro Yem Ticaret A. Ş.**  
Levent Mahallesi  
Cömert Sokak, No: 1  
Yapı Kredi Plaza C blok  
Kat:17 No:40-41 Ofis:16  
34330 Beşiktaş – Istanbul – Turkey  
info@vetagro.com

**AP1982 LTD.**  
Suite 1, 7th Floor,  
50 Broadway  
London SW1H 0BL  
United Kingdom  
info@vetagro.com

**Vetagro Inc.**  
17 East Monroe Street Suite #179  
Chicago, IL 60603 – USA  
info@vetagro.com



vetagro.com

**VETAGRO®**  
LIKE NO ONE ELSE®



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



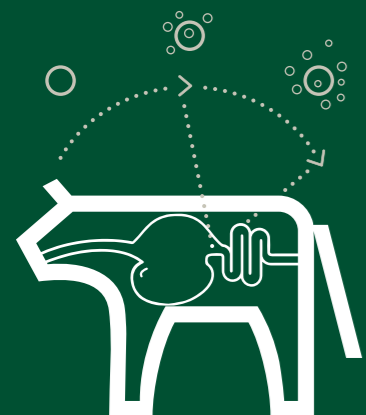
### Features

- 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

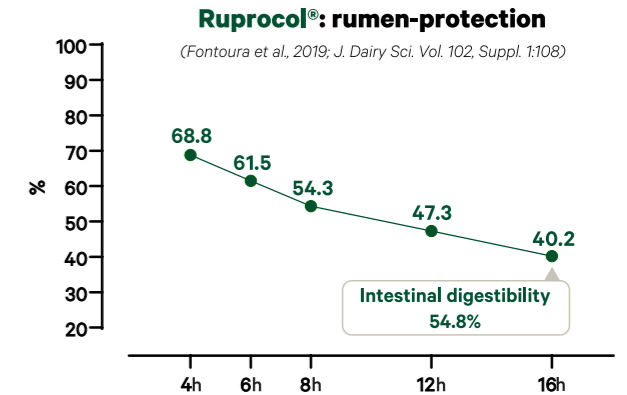
As free choline is strongly degraded at ruminal level, **Ruprocol®** choline is microencapsulated in a lipid matrix to be highly available at the intestinal level.



Certain statements may not apply in all geographical regions. Product labeling and associated claims may vary based on specific government requirements.



Protection of choline from rumen degradation with high intestinal bioavailability

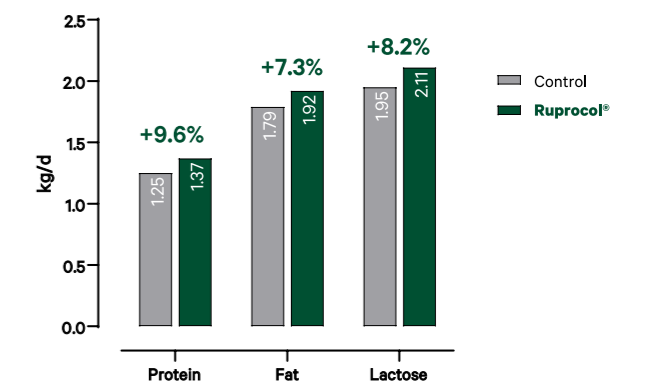


Values of **Ruprocol®** rumen-protection using the nylon bag technique and *in vitro* intestinal digestibility at 16 hours

### Ruprocol® in Holstein dairy cows from 21 days pre- to 35 post partum

(Sáinz de la Maza-Escolà et al., 2022; J. Dairy Sci. Vol. 105 Suppl. 1:2335)

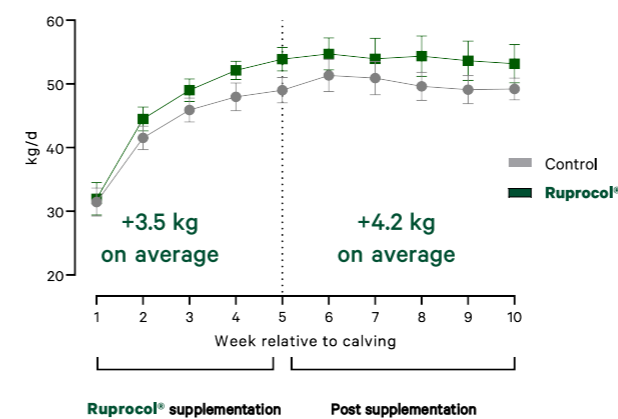
#### Ruprocol®: improvement on milk quality



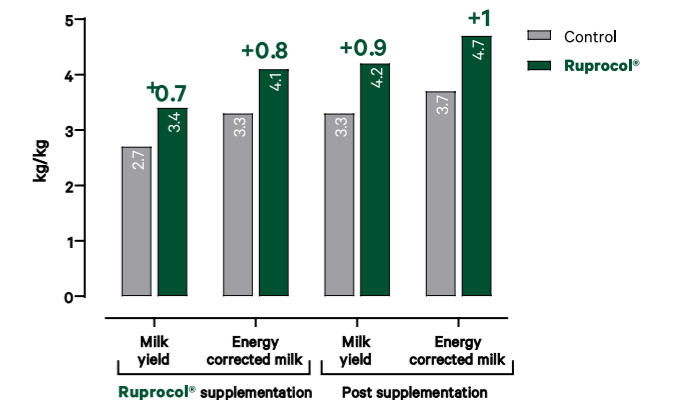
### Profitability

Improved energy-corrected milk yield and feed efficiency

#### Ruprocol®: improvement on energy-corrected milk



#### Ruprocol®: improvement on efficiency of pre-partum dry matter intake\*



\*Efficiency of pre-partum DMI relative to MY and ECM during RPC supplementation (week 1 to 5) and post-supplementation (week 5 to 10). Calculations based on Holdorf et al., 2022.