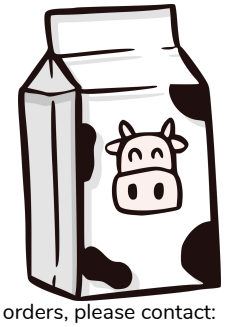
KETOCHECK MILKLITE

RAPID TEST FOR THE DIAGNOSIS OF COW KETOSIS



YOUR TRUSTED PARTNER IN DAIRY COW KETOSIS DETECTION

Discover Sub-clinical Ketosis in Dairy Cows with KetoCheck MilkLite from MenidiMedica Biotech Greece. Is your herd's health at risk due to sub-clinical ketosis? Now, you can safeguard the well-being of your dairy cows with KetoCheck MilkLite - the cutting-edge semi-quantitative reagent-based kit that provides rapid results in just one minute!

KEY FEATURES

1. Lightning-Fast Results: Detect sub-clinical ketosis in your dairy cows in just 60 seconds.
2. Extended Shelf Life: Enjoy peace of mind with a 2-year shelf life when stored at room temperature.
3. Convenient Cow-Side Testing: Simply squirt milk onto an Eppendorf vial containing the KetoCheck MilkLite reagent kit and read the results.

UNDERSTANDING THE RESULTS

Our innovative reagents contain an enzyme that generates specific colors, each indicative of BHB concentration in the milk sample. The colors range from white, indicating a healthy cow, to reddish-orange, signaling the presence of ketosis. With KetoCheck MilkLite, you'll be able to quickly and accurately assess the health of your dairy cows.

TESTING PROCEDURE

1. Begin by collecting a milk sample equivalent to 0.2 mL or approximately 4 drops to be tested.
2. In a clean test tube, add 0.2 mL or 4 drops of reagent R1.
3. Subsequently, include 0.2 mL or 4 drops of reagent R2 to the test tube.
4. Finally, introduce 0.2 mL or 4 drops of reagent R3 into the same test tube. Ensure thorough mixing of the contents.
5. Allow the mixture to stand for a few minutes. The emergence of an orange or reddish-orange color within this time frame signifies the presence of ketones in the milk, indicating a potential ketosis condition.

STORAGE AND HANDLING

a. KetoCheck MilkLite should be stored in a temperature range of 2°C to 25°C, with refrigeration being the preferred storage method whenever possible. The product's shelf life extends to two years from the date of manufacture when stored at room temperature.
b. To maintain accuracy, avoid using reagents that have undergone discoloration due to extended storage.
c. Remember to keep the reagent vials tightly closed to preserve their efficacy and reliability.

INTERPRETATION OF RESULTS

- BHB Concentration 0-99 µmol/L: A normal (-) result is denoted by a white color, indicating the absence of ketosis.

- BHB Concentration 100-199 µmol/L: This result is categorized as questionable (+/-) and is represented by a yellow color, suggesting a potential concern.

- BHB Concentration 200-499 µmol/L: A positive (+) result appears as an orange color, indicating the presence of ketosis.

- BHB Concentration 500+ µmol/L: A strongly positive (++) result is signified by a reddish-orange color, signifying a significant ketosis condition.

ORDER YOUR KETOCHECK MILKLITE KIT TODAY!

Ensure the health and productivity of your dairy cows with the KetoCheck MilkLite kit. Contact MenidiMedica Biotech Greece today to place your order and take the first step towards healthier and more profitable dairy farming.

For inquiries and orders, please contact:

MenidiMedica Biotech Greece
Phone: +302681088000, +306937115868
Email: menidimedica@gmail.com
Website: www.menidimedica.gr

Always consult with your veterinarian for a comprehensive assessment of your herd's health. KetoCheck MilkLite is a valuable tool for early detection of sub-clinical ketosis and should be used as part of a comprehensive herd management program.

REFERENCES

1. Djoković R, Ilić Z, Kurćubić V, Petrović M, Cincović M, Petrović M.P, Perović V.C. Diagnosis of subclinical ketosis in dairy cows. Biotech. Anim. Husb. 2019;35(2):111–125.
2. Fiorentin E.L, Zanovello S, Gato A, André L, Piovezan A.L, Alves M.V, Rocha R.X, Gonzalez F. Occurrence of subclinical metabolic disorders in dairy cows from western Santa Catarina state. Brazil. Pesq. Vet. Bras. 2018;38(4):629–634.
3. Gantner V, Bobić T, Potočnik K. Prevalence of metabolic disorders and effect on subsequent daily milk quantity and quality in Holstein cows. Arch. Anim. Breed. 2016;59:381–396.
4. Lee S, Cho K, Park M, Choi T, Kim S, Do C. Genetic parameters of milk β-hydroxybutyric acid and acetone and their genetic association with milk production traits of Holstein cattle. Asian Australs. J. Anim. Sci. 2016;29(11):1530–1540.
5. Wang Y, Gao Y, Xia C, Zhang H, Qian W, Cao Y. Pathway analysis of plasma different metabolites for dairy cow ketosis. ***Ital. J. Anim. Sci.*** 2016;15(3):545–551.
6. Yang W, Zhang B, Xu Ch, Zhang H, Xia C. Effects of ketosis in dairy cows on blood biochemical parameters, milk yield and composition, and digestive capacity. ***J. Vet. Res.*** 2019;63(4):555–560.

MenidiMedica
Biotechnology Applications

TRUST KETOCHECK MILKLITE FOR HEALTHY DAIRY COWS!
PROUDLY BROUGHT TO YOU BY MENIDIMEDICA BIOTECH GREECE