

KRUUSE Keto Urine Strips is a dipstick and read test for measuring elevated levels of ketone bodies in urine. Ketone bodies can be present in urine of diabetic patients and in cows experiencing negative energy balance (ketosis). Ketone bodies in the urine is a by-product of breaking fat down too rapidly. Elevated ketones in cows can lead to other periparturient conditions in the cow such as fatty liver syndrome, clinical ketosis and displaced abomasum.

Symptoms of sub-clinical ketosis could be decreased milk yield, weight loss, depression and/or reduced feed intake. For use with urine only.

Close the bottle cap immediately after removing test strips, and keep the vial tightly closed between tests.

Do not remove desiccant from bottle.

Do not touch test areas of reagent strips.

Do not open container until ready to use.

Discoloration or darkening of the test pads may indicate deterioration. Do not use after the expiry date.

Note once the canister has been opened, the remaining strips remain stable for up to 6 months.

#### SPECIMEN COLLECTION AND PREPARATION

##### VISUAL TEST PROCEDURE

- 1: Collect a fresh urine sample in a clean and dry container.
- 2: Dip the test strip briefly (1 second) into the urine sample
- 3: Turn the strip on its side and tap on a piece of absorbent material to remove excessive urine on the strip
- 4: Compare the colours of the reagent pads after 1 minute with the color chart on the vial label under good light.

##### INTERPRETATION RESULTS

The concentration of ketone bodies can be estimated by comparing the color of the test strip to the color chart on the vial. The darker the color, the higher the concentration of ketone bodies present in the urine, indicating ketosis.



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