



# the **PortaBHB**® Instructions

milk ketone test

## Test Chemistry and Instructions

## Notes

The reagent pad on the test strip contains an enzyme that converts BHB to acetoacetate. This reaction generates hydrogen ions that reduce nitrotriazolium blue to formazan, which is purple in color. The darker the purple color, the higher the concentration of BHB.

1. Remove a test strip from vial. Close vial tightly.

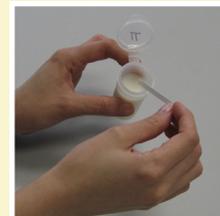


2. Forestrip.

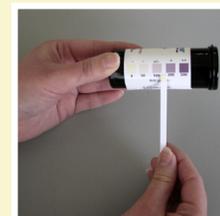
3. Squirt milk directly onto a test strip, **or** collect a milk sample (quarter or composite) into a clean labeled container. The container does not have to be sterile. Mix the sample.



If milk is collected into a container, dip the pad of the test strip into the sample.



4. Remove test strip and shake off excess milk.



5. Wait one minute and compare to color chart.

- If the test strips or milk samples have been refrigerated, allow them to reach room temperature before testing.
- If the milk has been standing for some time, make sure to mix it thoroughly before performing the test.
- Close the strip container tightly after use. Test strips are light and moisture sensitive.
- This test is designed for use with milk only. Test results with other fluids have not been studied.

## Storage and Handling

- Store at 2°C – 25°C (36°F – 77°F). Store refrigerated whenever possible. Product shelf life is 2 years from the date of manufacture if stored at room temperature.
- Avoid using test strips that have discolored after extended storage.
- The reagent pad on unused test strips should be yellow.
- Keep the test strip vial tightly closed.
- Do not touch reagent pad on the test strips.

## Interpretation of Results

BHB concentration in milk	Indication:
0-99 µmol/L	normal (-)
100-199 µmol/L	questionable (+/-)
200-499 µmol/L	positive (+)
500 + µmol/L	positive (++)

## Intended Use

This test is intended solely for the estimation of ketones in fresh cow milk. The test is not a laboratory reference method and should not be used as a diagnostic test. Consult a veterinarian before starting any treatment.