

## CD Malic Acid Quick Test Strips

**Catalog Number:** AKBA110

**Size:** 10 tests

**Price:** [Online Inquiry](#)

### Product Information

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| Product Name        | CD Malic Acid Quick Test Strips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applications        | For rapid, direct determination of malic acid concentrations in food and beverage samples as well as biological samples.<br>Note: Requires access to pipettes for dilution. We offer pipettes that can be purchased separately: 20 uL Pipettes (Catalog: TP-20), 100 uL Pipettes (Catalog: TP-100), or 400 uL Pipettes. (Catalog: TP-400)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Features            | Fast and sensitive. Use of 20 or 100 $\mu$ L sample. Semi-quantitative measurement between 0-500 mg/L (undiluted) malic acid.<br>Convenient. No expensive lab equipment needed.<br>Sample treatment and assay can be performed in under 15 minutes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Detection Method    | Visual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sample Type         | Wine, beer, milk, etc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Species             | All                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Assay Time          | Approximately 15 min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Expiration Date     | 6 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Description         | L-MALIC ACID, or L-malate, is a dicarboxylic acid that is made by all living organisms and plays an important role in the Calvin and Krebs Cycle. Malic acid is frequently used in food and beverage industries as an additive in products such as wine, beer, candies, etc. It can be used as an acidity regulator, preservative, or simply added for flavor. In the wine industry, decreasing levels of L-malic acid and increasing levels of L-Lactic Acid are monitored during malolactic fermentation. As L-malic acid is converted to L-lactic acid, the overall acidity of the wine is reduced which can lead to the improvement of the flavor of the wine. CD L-Malic Acid Test Strips are based on L-malate dehydrogenase catalyzed oxidation of L-malic acid in which the formed NADH reduces a chromogenic reagent. The intensity of the product color is directly proportional to the L-malic acid concentration in the sample. |
| Shipping Conditions | Shipping: RT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage             | Storage: RT upon receipt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |