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MQuant™

Peroxidase Test

1. Method

Under the catalytic effect of peroxidase, an organic redox indicator is converted into a blue compound. The visual comparison of the reaction zone of the test strip with the fields of a color scale shows whether there is any peroxidase activity present (+, ++) or not (-).

2. Measuring range and number of determinations

Color-scale graduation	Number of determinations
- + ++	100

3. Applications

Sample material:
Milk
Food (applications see the website)
Fermentation solutions

4. Influence of foreign substances

The determination is not interfered with by the substances usually contained in the sample materials stated above.

5. Reagents and auxiliaries

The test strips are stable up to the date stated on the pack when stored closed at +2 to +8 °C.

Package contents:
Tube containing 100 test strips
1 bottle of reagent POD-1
1 graduated 1-ml plastic syringe
1 test vessel

Other accessories:
Pipette for a pipetting volume of 4 ml

6. Procedure

Sample (**20 - 25 °C**)	1 ml	Inject into the test vessel with the syringe.
Distilled water (**20 - 25 °C**)	4 ml	Add with pipette and mix.
Reagent POD-1	5 drops [1)]	Add and swirl.
Immerse the reaction zone of the test strip in the measurement sample **for 1 sec**. **Immediately** allow excess liquid to run off via the long edge of the strip onto an absorbent paper towel and **after 1 min** determine with which color field on the label the color of the reaction zone coincides. Read off the result.		

[1)] **Hold the bottle vertically while adding the reagent!**

Notes on the measurement:

- **The color fields serve merely as a rough orientation.** As a rule, every blue discoloration of the reaction zone is caused by peroxidase activity.
- The color of the reaction zone may continue to change after the specified reaction time has elapsed. **This must not be considered in the measurement.**

7. Notes

- **Reclose** the reagent bottle and **the tube containing the test strips immediately after use**.
- Rinse the test vessel and the syringe **with distilled water only**.

Merck KGaA, 64271 Darmstadt, Germany,
Tel. +49(0)6151 72-2440
www.analytical-test-kits.com

EMD Millipore Corporation, 290 Concord Road,
Billerica, MA 01821, USA, Tel. +1-978-715-1335