
General Manual of Use of Indicator Strips for Semi-Quantitative Determinations

This manual is for guidance only and does not replace the specific instructions supplied with each type of test strip.

Each strip has its own characteristics (e.g. a pH range to be respected, specific reaction times, detection limits or possible interference), which are indicated in detail on its packaging and must be strictly followed.

The purpose of this manual is to complement these instructions by providing general recommendations regarding the type of sample, its handling and possible precautions during analysis.

1- General method with aqueous samples

1. Place a small amount of the sample directly on the reactive area of the strip.
2. Leave the sample in contact with the strip for the reaction time indicated on the package.
3. Shake
4. After the reaction time indicated on the product box, observe the development of the color in the test area.
5. Interpret the result by comparing the color developed with the reference scale provided on the product box.

1. Immerse in sample



2 sec

2. Shake

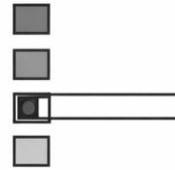


3. Wait



Wait 60 sec

4. Compare color



2- With milk samples or viscous samples

Method 1: Direct Application

1. Place a small amount of the sample directly on the reactive area of the strip.
2. Leave the sample in contact with the strip for the reaction time indicated on the package.
3. Due to the possible viscosity of the sample, carefully rinse the strip with a small amount of distilled water to clear the reactive zone.
4. After the reaction time indicated on the packaging, observe the development of the colour in the test area.
5. Interpret the result by comparing the color developed with the reference scale provided on the packaging.

Method 2: Solution Preparation

1. Place a small amount of the sample in a clean container and add distilled water.
2. Mix until you get a homogeneous solution or mixture.
3. Apply the prepared solution to the reactive area of the strip or insert the strip into the solution.
4. Leave the sample in contact with the strip for the reaction time indicated on the package.
5. After the reaction time indicated on the packaging, observe the development of the colour in the test area.
6. Interpret the result by comparing the color developed with the reference scale provided on the packaging.

3-With color samples:

1. Insert the test strip into the colored solution.
2. Remove the strip and shake gently to remove excess solution.
3. Leave the sample in contact with the strip for the reaction time indicated on the package.
4. After the indicated reaction time, observe the development of the colour in the test area.
5. Interpret the result by comparing the color developed with the reference scale provided on the packaging.

4- With sewage, cleaning water

1. If the particles may interfere with the color of the determination, it is advisable to pre-filter the sample.
1. Follow the steps of the general method with aqueous samples.