

# Nitrate Rapid Detection Kit (100)



Cat. No. FSD-159

Lot. No. (See product label)

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## Product Name

Nitrate Rapid Detection Kit (100)

## Product Overview

Nitrate Rapid Detection Kit (100) is designed for the detection of nitrate content in foods such as water, vegetables and fruits.

## Description

Nitrate Rapid Detection Kit (100) is designed for the detection of nitrate content in foods such as water, vegetables and fruits.

## Scientific Background

Nitrate in food comes from nature on the one hand, such as some vegetables which often contain more nitrate; on the other hand, due to the needs of food processing, the appropriate amounts of nitrate and nitrite is added as some food colorants. Nitrate itself is not very toxic, but it can be reduced to nitrite under the action of bacteria, directly causing hypoxia in human and animal poisoning, causing methemoglobinemia, and forming a strong carcinogen, ammonium nitrate, with secondary amines in the gastrointestinal tract. Ammonium nitrate induces cancer in the digestive system. Vegetables, especially leafy vegetables, are easily enriched in nitrates, and 81.2% of the nitrates ingested by the human body come from vegetables. In recent years, due to unreasonable fertilization and other reasons, the nitrate content of leafy vegetables has exceeded the standard.

## Detection method

Rapid Detection

## Sensitivity

The detection range of this product is 0 ~ 60 mg/L for liquid samples and 0 ~ 3000 mg/kg for solid samples.

## Sample Type

Water, Vegetables and Fruits

## Storage

The validity period is one year.

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**