



## Soil Nitrate Reductase Activity Assay kit

---

S-NR catalyzes the reduction of nitrate in the soil to nitrite, and is a key enzyme for the reduction of nitrate nitrogen in the soil. Studying the activity of S-NR is of great significance for rational fertilization and reduction of nitrogen loss.

S-NR catalyzes the reduction of nitrate to nitrite; the produced nitrite can interact with p-aminobenzenesulfonic acid and alpha-under acidic conditions. Naphthylamine quantitatively generates red azo compounds; the generated red azo compounds have a maximum absorption peak at 540 nm, which can be determined by spectrophotometry.

|                   |                           |
|-------------------|---------------------------|
| Catalog No.       | 251310                    |
| Size              | 50 Assays / 100 Assays    |
| Product Category  | Soil Assay                |
| Detection Method  | Visible spectrophotometry |
| Storage/Stability | -20°C/1 year              |
| Shipping          | Gel Packs                 |