



Nitrate Reductase Assay kit (Griess method)

NR (EC 1.7.1.3) is a key enzyme in the transformation of plant nitrate nitrogen into ammonium nitrogen as well as an induction enzyme, which widely exists in plants and has an impact on crop yield and quality. NR catalyzes nitrate reduction to nitrite, with $\text{NO}_3^- + \text{NADH} + \text{H}^+ \rightarrow \text{NO}_2^- + \text{NAD}^+ + \text{H}_2\text{O}$. In acidic conditions, the NO_2^- produced can participate in the diazotization reaction to produce a purple-red compound, which has an absorption peak at 540 nm, and the change in absorbance value at 540 nm indicates the enzyme activity.

Catalog No.	250496
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs