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H2O2 content measurement

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Mingxin Guo¹

¹Luoyang Normal University



Mingxin Guo

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- 1
- 2 The seedlings were cultured in Kimura's culture solution B until six-leaf stage.
- 3 200 mg of fresh leaf tissue subjected to alkaline treatment of pH 9.5 for 0, 3, 5 days was extracted in 2.0 ml of TCA (0.1% w/v) on ice.
- 4 The homogenate was then centrifuged at 12,000 rpm for 10 min.
- 5 add 0.3 mL of 10 mM sodium phosphate buffer (pH 7.5).
- 6 add 0.6 mL of 1 M potassium iodide to 0.3 mL of the above supernatant.
- 7 the absorbance of the samples was measured at 390 nm.
- 8 H₂O₂ content, expressed as nmol g⁻¹ fresh weight, was determined based on the standard curve generated from known concentrations of H₂O₂.