

# H2O2 content measurement

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## Abstract

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## Protocol

### Step 1.

The seedlings were cultured in Kimura's culture solution B until six-leaf stage.

### Step 2.

0.5 g of fresh root of wild jujube seedlings subjected to alkaline treatment of pH 9.5 for 0, 3, 5 days was incubated in 10 mL triphenyl tetrazolium chloride (TTC) solution (0.04% in pH 7.0 phosphate buffer) for 1 h at 37 °C.

### Step 3.

add 2 mL 1M H<sub>2</sub>SO<sub>4</sub>, the red product in root was extracted using ethyl acetate.

### Step 4.

The absorbances were determined by spectrophotometer at 485 nm.

### Step 5.

The activity of the root system was expressed relative to the control value of 100%.

### Step 6.