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Total Flavonoid Content (TFC)

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Protocol status: Working

We use this protocol and it's working

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Abstract

The amounts of total flavonoids was quantified. The reaction mixture consisted of 1.0 ml of extract, 0.3 ml of 5% sodium nitrite and 4 ml of 60% ethanol. After 6 min, 0.3 ml of 10% aluminium nitrite was added. In the next 6 minutes, 4 ml of 1 M sodium hydroxide solution were added. Then, the volumetric tube was diluted to 10 ml. The absorbance was measured at 510 nm. TFC was calculated and expressed as rutin equivalents (RE). A calibration curve was constructed with different concentrations of rutin (15–75 mg/ml) as a standard.

Troubleshooting

