MAR 28, 2019

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.sfkebkw

External link:
<https://doi.org/10.1371/journal.pone.0213493>

Protocol Citation: Jorge Carlos Ruiz Ruiz 2019. Determination of phenolic compounds. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.sfkebkw>

MANUSCRIPT CITATION: Georgé S, Brat P, Alter P, Amiot MJ. Rapid determination of polyphenols and vitamin C in plant-derived products. J Agr Food Chem. 2005; 53: 1370-1373.

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Protocol status: Working

Created: Aug 07, 2018

Determination of phenolic compounds

PLOS One

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ABSTRACT

Phenolic compounds determined using the Folin-Ciocalteu reagent.

MATERIALS

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Sodium carbonate P212121

water Contributed by users

10 g Gallic Acid biorbyt Catalog #orb322314

Folin-Ciocalteu Sigma – Aldrich

- 1** An aliquot of sample (0.25 mL) was mixed with 0.15 mL of the Folin-Ciocalteu reagent and 1 mL of a 15% sodium carbonate solution.
- 2** Distilled water was added to a final volume of 2.5 mL. Following incubation for 3 min at 37 °C in a water bath, the absorbance was measured at 750 nm. Gallic acid (Sigma-Aldrich) was used as the standard and the results were expressed as µg/mL of gallic acid equivalents (GAE).
- 3** Following incubation for 3 min at 37 °C in a water bath, the absorbance was measured at 750 nm.
- 4** Gallic acid was used as the standard and the results were expressed as µg/mL of gallic acid equivalents (GAE).