



Article

# Cerium Oxide Nanoparticles and Their Efficient Antibacterial Application in Vitro against Gram-Positive and Gram-Negative Pathogens

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The formation of Ce<sub>2</sub>(C<sub>2</sub>O<sub>4</sub>)<sub>3</sub> precursor - during the precipitation process of cerium nitrate and oxalic acid – is governed by the following chemical reaction:

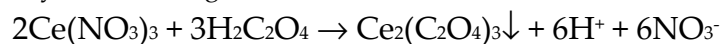


Table S1. The antioxidant activity data.

CeO <sub>2</sub> np Concentration µM	µmol Trolox/g Sample	µmol Trolox/g Sample	µmol Trolox/g Sample
5.	184.1	184.6	184.2
10.	193.0	194.0	192.9
25.	320.9	320.9	321.0
50.	401.9	401.7	401.5
75.	451.9	451.7	452.0
150.	478.0	477.8	479.1
250.	482.8	482.6	481.6