

几种饮料清除活性氧自由基的ESR研究

郑莹光 长春 吉林大学测试科学中心 130023

董凤霞 长春 吉林大学测试科学中心 130023

袁毅 长春 吉林大学第三附属医院 130021

摘要: 本文用ESR方法直接检测过硫酸铵(ammonium persulfate简称AP)和N,N,N',N'-四甲基乙二胺(N,N,N',N'-tetramethyl ethylenediamine简称TEMED)体系产生的活性氧自由基,然后用几种饮料作清除剂,研究它们对体系中产生的 $O_2^{\cdot-}$ 和 $HO\cdot$ 自由基的清除效果.结果表明茶饮料的清除效果最好。

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ESR study of scavenging reactive oxygen radicals by some drinks

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Abstract: Reactive oxygen radicals generated in ammonium persulfate (AP) and N, N, N, N-tetramethyl ethylenediamine (TEMED) system measured directly by ESR methods. It was studied that the effect of $O_2^{\cdot-}$ and $HO\cdot$ radicals in the system were scavenged by some drinks. The results showed that the effect of tea drink was the most fine.

Key words:

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