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## 猪肉内瘦肉增长素 (MAT) 的气相色谱-质谱检测 (英文)

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**摘要** 对用含瘦肉增长素 (MAT) 的饲料喂养猪的猪肉样品进行检查。样品取自添加瘦肉增长素饲料喂养的6头猪的不同部位,经生理盐水浸泡后,研磨成乳糜状,用乙醚提取。以 MT 为内标进行 GC/MS 定量分析。实验结果表明:41 个样品呈阴性,只有 6 号猪的右耳样品呈阳性,经内标定量计算,10 g 右耳猪肉中含 2.2 μg MAT。该实验提示可用 GC/MS 定性定量分析 MAT。

**关键词** [质谱学](#) [瘦肉增长素\(MAT\)检测](#) [气相色谱-质谱\(GC/MS\)](#) [猪](#)

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## Determination of MAT in Pork by Gas Chromatography-Mass Spectrometry

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**Abstract** In order to establish a method using in pretreatment and GC/MS determination for pork samples from pigs bred with MAT added into forage. 42 samples from different parts of 6 pigs was soaked in saline and grinded, then extracted with diethyl ether. The interior standard of quantitative analysis was MT. The experiment result showed that all samples were negative except one from right ear of No.6 pig contained 2.2 μg MAT in 10g ear meat. The experiment suggested that MAT can be analyzed qualitatively and quantitatively by GC/MS.

**Key words** [mass spectrometry](#) [determination of MAT](#) [gas chromatography-mass spectrometry \(GC/MS\)](#) [pig](#)

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