

动物科学

## 喹乙醇对断奶仔猪生产性能的影响及亚急性毒性试验研究

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**摘要** 试验选用38日龄的杜长大三元杂交仔猪90头 [(9.36±0.045)kg左右], 试验期为39d, 随机分成3个组, 第1组为空白对照组(不含任何药物添加剂, 即基础日粮组), 第2组为基础日粮+喹乙醇100mg/kg组, 第3组为基础日粮+喹乙醇200mg/kg组。生长性能试验结果表明, 日增重随喹乙醇添加量的增加, 而明显减少, 3个组间日增重均差异极显著( $P<0.01$ )。料增重比随喹乙醇添加量的增加而明显增高, 各组间差异极显著( $P<0.01$ )。日采食量、粗蛋白消化率无显著差异( $P>0.05$ )。测定血清肝、肾功能生化指标结果, 喹乙醇对仔猪的生理效应是存在的, 只是在不同的试验中表现出程度上的不同而已。

**关键词** [断奶仔猪](#) [喹乙醇](#) [亚急性中毒](#) [生化指标](#)

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## Study on the Effects of Olaquinox on the Production Performances and Subacute Toxicity Test of Weaning Pigs

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### Abstract

Ninety healthy piglets of Duroc×Landrace×Yorkshire hybrid with (9.36±0.045)kg at 38d were chosen during a 39d experimental period. These piglets were divided into three groups. Group I were fed with a basal ration without any drug additives, group II were given a basal ration with 100 mg/kg olaquinox and group III with 200 mg/kg. In the feeding and digestion experiment, compared with the control, daily growth weight in olaquinox-treated groups markedly reduced. Daily growth weights between the groups were more significantly different ( $P<0.01$ ). The ratio of feed and daily growth weight between the treated groups ( $P<0.01$ ), digestion ratio of raw proteins and Daily feed intake reduced without significance among the three groups despite increased olaquinox addition. According to the determinations of biochemical indexes of liver and kidney, which all indicated that the physiological effects of olaquinox on weaned piglets were varied, though it represented to a different degree.

**Key words** [weaned piglet](#) [olaquinox](#) [subacute toxication](#) [biochemical index](#)

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