

动物科学

## 双歧杆菌对断奶仔猪E-活性花环和E总花环的影响

赵桂英<sup>1</sup>, 马黎<sup>2</sup>, 代飞燕<sup>1</sup>, 常华<sup>1</sup>, 段纲<sup>1</sup>, 连林生<sup>1\*\*</sup>

1. 云南农业大学动物科学技术学院, 云南 昆明 650201;

2. 云南农业职业技术学院, 云南 昆明 650031

收稿日期 2006-5-18 修回日期 2006-5-18

**摘要** 在30~75日龄的断奶仔猪日粮中添加不同剂量的双歧杆菌后仔猪的细胞免疫功能均有不同程度的提高: E-活性花环和E总花环形成率结果显示, E-活性花环形成率在试验期至第30天、第45天时各试验组持续保持较高水平, 与对照组比较分别高出14.37%, 18.69%, 15.11%和13.06%, 16.60%, 13.78%, 差异显著 ( $P<0.05$ ); E总花环形成率在添加双歧杆菌后明显提高, 试验期至第45天时, 试验I组, II组, III组的E总花环形成率分别比对照组高出12.77%, 21.83%, 19.69%, 差异显著 ( $P<0.05$ ), 且试验组之间比较, 试验II组, III组比I组的E总花环形成率高, 差异显著 ( $P<0.05$ ); 说明添加双歧杆菌对断奶仔猪E总花环的形成有明显的增强作用。

**关键词** [双歧杆菌](#) [E-活性花环](#) [E总花环](#)

**分类号** [S 816.79](#)

## The Effects of *Bifidobacterium* on Piglets' E-rosettes and Total E-rosettes

ZHAO Gui-ying<sup>1</sup>, MA Li<sup>2</sup>, DAI Fei-yan<sup>1</sup>, CHANG Hua<sup>1</sup>, DUANG Gang<sup>1</sup>, LIAN Lin-sheng<sup>1</sup>

1. Faculty of Animal Science and Technology of Yunnan Agricultural University, Kunming 650201, China;

2. Yunnan Vocational and Technical colleges of Agriculture, Kunming 650031, China

### Abstract

The effects of different amount of *Bifidobacterium* supplemented in the diet of piglet (30-75 days old) on swine's immune function were evaluated. The analyzing results of E-rosettes and total E-rosettes forming rate showed that the rates of E-rosettes forming rate on the 30th and 45th day in group I, group II and group III significantly ( $P<0.05$ ) increased 14.37%, 18.69%, 15.11% and 13.06%, 16.60%, 13.78%, respectively, compared with those of the control. In addition, the rates of total E-rosettes forming rate in group II and group III were higher than that of group I ( $P<0.05$ ). These results demonstrated that the forming of total E-rosettes forming rate in piglets could be enhanced by supplied *Bifidobacterium* in a positive dose way.

**Key words** [Bifidobacterium](#) [E-rosettes](#) [total E-rosettes](#)

DOI:

通讯作者 连林生

### 扩展功能

#### 本文信息

▶ [Supporting info](#)

▶ [PDF\(272KB\)](#)

▶ [HTML全文\(0KB\)](#)

▶ [参考文献](#)

#### 服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [复制索引](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

#### 相关信息

▶ [本刊中 包含“双歧杆菌”的 相关文章](#)

▶ [本文作者相关文章](#)

- [赵桂英](#)
- [马黎](#)
- [代飞燕](#)
- [常华](#)
- [段纲](#)
- [连林生](#)