

Assessment of liquid-type and gelation of milk replacer on the growth performance, immunoglobulin contents, diarrhea occurrence and fecal microflora of sucking pigs ⁽¹⁾

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Abstract

The objectives of this plan were to assess liquid-type and gelation of piglet milk replacer to sucking pigs' growth performance, immunoglobulin contents, diarrhea incidence and fecal microflora. Experimental animals adopted 6 litters and litter size up to 8-10 hd of newborn piglets, and each litter was divided into three groups (1 male and 1 female per each trial). Diets provided containing liquid-type or gelation of milk replacer or only supported sow milk as control group. In the trial groups respectively fed with 5 g/hd of liquid-type or gelation of milk replacer in the morning and afternoon every day by handmade feeding, and in the control group without feeding any diet from 2 to 7 days of age. The results showed that from 2-7 days of age of sucking piglets supplied extra liquid-type or gelation of milk replacer, although on piglets' body weight and weight gain, immunoglobulin contents, and fecal microfloras were not significant difference, but fed gelation of milk replacer of sucking piglets on the third and fourth week of body weight, on the second week of average daily gain, the number of fecal *coliforms*, diarrhea incidence showed a improvement trend compared to control group. Therefore, with gelation of milk replacer to feed sucking pig might have an effective improvement on their bodyweight, weight gain, intestinal flora and reduce diarrhea incidence.

Key words: Gelation, Growth performance, Index diarrhea.

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