

### Supplemental Materials

**Table S1.** Kitasamycin concentrations in different samples

samples	Treatment	KM concentrations (ug/kg)
Liver	Control	Undetected (<1.0)
	KM50	4.55
	KM200	35.7
Faeces	KM200	23176
LM	KM200	Undetected (<1.0)
Urine	KM200	Undetected (<1.0)

The KM concentrations in different samples were assessed utilizing LC-MC methods at the Kebiao Technology R&D Center in Qingdao, China. KM: kitasamycin; LM: longissimus dorsi muscle area.