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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Follicle-stimulating hormone

Cat. No.:	HY-134400		
CAS No.:	9002-68-0		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

Follicle-stimulating hormone

BIOLOGICAL ACTIVITY

Description	Follicle-stimulating hormone is a heterodimer glycoprotein expressed by gonadotropin in the anterior pituitary gland. Follicle-stimulating hormone affects the fertility and reproductive efficiency of animals ^{[1][2]} .		
In Vitro	Follicle-stimulating hormone (FSH) stimulates the production of inhibin from ovarian granulosa cells, which in turn downregulates FSH production ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		
In Vivo	Follicle-stimulating hormone (1-4 mg/goat; i.m.; twice daily for 2 d) increases the total corpus luteum (CL), the number of embryos recovered and high-quality embryos in goats implanted Norgestomet (HY-121677) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		
	Animal Model:	Non-lactating mixed breed dairy goats implanted with Norgestomet ^[1]	
	Dosage:	1 mg, 2 mg, 3 mg, and 4 mg; treated after implanted 6 mg Norgestomet for 11 d	
	Administration:	Intramuscular injection; twice daily for 2 days, with 12 h interval	
	Result:	Increased the total corpus luteum (CL), and decreased the number of abnormal CL. Increased the number of embryos recovered and high-quality embryos.	

REFERENCES

[1]. Das N, et al. Molecular regulation of follicle-stimulating hormone synthesis, secretion and action. *J Mol Endocrinol*. 2018 Apr;60(3):R131-R155.

[2]. Pendleton R J, et al. Follicle stimulating hormone versus pregnant mare serum gonadotropin for superovulation of dairy goats. *Small Ruminant Research*, 1992, 8(3): 217-224.

Caution: Product has not been fully validated for medical applications. For research use only.

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