

Chorionic gonadotrophin

Cat. No.:	HY-107953		
CAS No.:	9002-61-3		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chorionic gonadotrophin

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 2 mg/mL (Need ultrasonic and warming)
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BIOLOGICAL ACTIVITY

Description Chorionic gonadotrophin (hCG) is a gonadotropin that can be isolated from the anterior pituitary gland. Chorionic gonadotrophin has potential applications in ovarian and follicular development^[1].

In Vivo Chorionic gonadotrophin (0.5 mL/d; i.m.; 6 d) leads to follicular degeneration and ovarian damage in hens^[1].
 Chorionic gonadotrophin (0.25 mL/d; i.m.; 9 d) significantly promotes ovarian weight gain in pullets^[1].
 Chorionic gonadotrophin (0.5 mL/d; i.m.; 9 d) causes signs of follicular degeneration in pullets^[1].
 Chorionic gonadotrophin (0.2 mL/d; 1, 2, 3, 4, 5, 6 and 7 weeks) has insignificant effect on body weight, tail length and eye refraction in rats which were subjected to hypophysectomy^[2].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	White Leghorn, Barred Plymouth Rock, and Barred Plymouth Rock X New Hampshire crossbred hens and pullets ^[1] .
Dosage:	0.25 mL/d and 0.5 mL/d.
Administration:	Intramuscular injection; 6 d and 9 d.
Result:	Hindered the normal development of the ovaries and follicles.

CUSTOMER VALIDATION

- Research Square Preprint. 2023 Aug 8.

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REFERENCES

- [1]. Phillips R E. Ovarian response of hens and pullets to injections of Ambinon[J]. Poultry Science, 1943, 22(5): 368-373.
- [2]. Alphen CC, et al. Endocrine influences on the refraction of the eyes of young rats. Ophthalmologica. 1976;173(3-4):328-32.
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Caution: Product has not been fully validated for medical applications. For research use only.

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