Cimaterol, HRP conjugate

DAG1056

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	Cimaterol, HRP conjugate
Antigen Description	β-agonists are compounds having a stimulatory effect on β-adrenergic receptors and are used in human and veterinary medicine as bronchodilatory agents. The group includes drugs such as clenbuterol, carbuterol, salbutamol, methylclenbuterol, brombuterol, terbutaline, mabuterol, pirbuterol and mapenterol. The metabolism of β-agonists is dependent on the chemical properties of each drug, with excretion reported in bile, urine, faeces and milk. Accumulation of β-agonists has been reported in tissues including liver, kidney and pigmented tissue e.g. retina.
Source	growth Promoters
Conjugate	HRP
Form	concentrate
Characteristic	Each conjugate comprises antigen covalently bound to horseradish peroxide and is suitable as a tracer in immunoassay development

PACKAGING

Storage	Can be stored at 2-8°C for up to 3 months and at -20°C for longer term storage.

BACKGROUND

Introduction	Cimaterol (INN) is a beta-adrenergic agonist. β-agonists are compounds having a stimulatory effect on β-adrenergic receptors and are used in human and veterinary medicine as bronchodilatory agents. The group includes drugs such as clenbuterol, carbuterol, salbutamol, methylclenbuterol, brombuterol, terbutaline, mabuterol, pirbuterol and mapenterol. The metabolism of β-agonists is dependent on the chemical properties of each drug, with excretion reported in bile, urine, faeces and milk. Accumulation of β-agonists has been reported in tissues including liver, kidney and pigmented tissue e.g. retina.
Keywords	Cimaterol; (RS)-2-amino-5-[1-hydroxy-2-(isopropylamino)ethyl]benzonitrile; beta-adrenergic agonist.

REFERENCES

1. Smith, DJ. The pharmacokinetics, metabolism and tissue residues of beta-adrenergic agonists in livestock. J. Anim. Sci. 1998, 76:173-194.

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