Nicarbazin, HRP conjugate

Cat.No:DAG1025

Lot. No. (See product label)

PRODUCT INFOMATION

Storage	Can be stored at 2-8°C for up to 3 months and at -20°C for longer term storage.
Antigen Description	Nicarbazin has been used in starter rations for several decades as an aid in the prevention of faecal and intestinal coccidiosis in broiler chickens. It may be used in combination with ionophore coccidiostatics. Chemically, it is an equimolar complex of 1,3- N,N'-bis(4-nitrophenyl)urea and 4,6-dimethyl-2(1 H)-pyrimidone. These compounds are also known as 4,4 '-dinitrocarbanilide and 2-hydroxy-4,6-dimethylpyrimidine, respectively. Nicarbazin is described as an electron donor-acceptor molecular complex; the sites of the interaction are the electron-poor NH amide groups of the acceptor phenylurea and the electron-rich lone pairs of the nitrogen in the pyrimidone donor ring
conjugate	HRP
Source	Anti-Parasitic Drugs
Form	concentrate
Characteristic	Each conjugate comprises antigen covalently bound to horseradish peroxide and is suitable as a tracer in immunoassay development

Background

Introduction	Nicarbazin has been used in starter rations for several decades as an aid in the prevention of faecal and intestinal coccidiosis in broiler chickens. It may be used in combination with ionophore coccidiostatics. Chemically, it is an equimolar complex of 1,3- N,N'-bis(4-nitrophenyl)urea and 4,6-dimethyl-2(1 H)-pyrimidone. These compounds are also known as 4,4 '-dinitrocarbanilide and 2-hydroxy-4,6-dimethylpyrimidine, respectively. Nicarbazin is described as an electron donor-acceptor molecular complex; the sites of the interaction are the electron-poor NH amide groups of the acceptor phenylurea and the electron-rich lone pairs of the nitrogen in the pyrimidone donor ring
Keywords	Nicarbazin; CL22,791 Urea, N,N'-bis(4-nitrophenyl)-compound with 4,6-dimethyl-2(1H)-pyrimidinone, CycarbN-N'-bis(4-nitrophenyl)urea, compound with 4,6-dimethyl-2(1H)-pyrimidinone (1:1); 4,4'-dinitrocarbanilide ; nicarb; nicoxin; nicarzin

45-16 Ramsey Road Shirley, NY 11967, USA
Tel: 631-624-4882 ·Fax:631-614-7828
E-mail: info@creative-diagnostics.com
www.creative-diagnostics.com