# Nicarbazin, HRP conjugate

**Cat.No:** DAG1025  
**Lot. No.** (See product label)

## PRODUCT INFORMATION

### 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(1H)-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 pyrimidine 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

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### 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