

Carbadox, HRP conjugate

DAG1049

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	Carbadox, HRP conjugate
Antigen Description	The quinoxaline-1,4-dioxide compound carbadox is used in pigs as a growth-promoting agent for the improvement of weight gain and feed efficiency. It is also administered as an antibacterial drug against dysentery and bacterial enteritis in pigs. Following oral administration it metabolises to the compound Quinoxaline Carboxylic Acid (QCA). Maximum residue levels were established for 30 ppb in liver and 5 ppb in muscle however it was concluded that use of carbadox according to good practice in veterinary medicine does not represent a dietary hazard to human health.
Source	Antimicrobial Drugs
Conjugate	HRP
Form	concentrate
Characteristic	Each conjugate comprises antigen covalently bound to horseradish peroxidase 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	Carbadox is a drug that combats bacterial infection in swine, particularly swine dysentery. In early 2004 it was banned by the Canadian government as a livestock feed additive and for human consumption. The European Union also forbids the use of Carbadox at any level. It is approved in the United States for use in swine for up to 42 days before slaughter. Australia also forbids the use of Carbadox for Food Producing Animals.
Keywords	Carbadox; methyl (2E)-2-[(1,4-dioxidoquinoxalin-2-yl)methylene]hydrazinecarboxylate; 3-(2-chinoxalinylmethylen-1,4-dioxid)methylkarbazat; getroxel; Hydrazinecarboxylicacid,(2-quinoxalinylmethylene)-,methylester,N,N'-dioxide; carabadox; Carbadox,3-(2-Quinoxalinylmethylene)carbamic acid methyl ester N,N'-dioxide

REFERENCES

1. Heird, C.E. (2002/2003) Concentration and depletion of carbadox, deoxycarbadox and quinoxaline-2-carboxylic acid (QCA) in tissue and rendered material of growing swine after consumption of carbadox at 50 g/ton of feed. Unpublished report from Southwest Bio-Labs, Inc. Submitted to WHO by Phibro Animal Health, Fairfield, New Jersey, USA.