



## User's Manual

# Carbamazepine ELISA Kit



**DEIANS021**



**1 Kit (96T), 1 Pack (96T×5), 1 Pack (96T×50)**





This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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### Creative Diagnostics

 **Address: 45-1 Ramsey Road, Shirley, NY 11967, USA**

 **Tel: 1-631-624-4882 (USA) 44-161-818-6441 (Europe)**  **Fax: 1-631-938-8221**

 **Email: [info@creative-diagnostics.com](mailto:info@creative-diagnostics.com)**  **Web: [www.creative-diagnostics.com](http://www.creative-diagnostics.com)**

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## PRODUCT INFORMATION

### Intended Use

Carbadox ELISA (Enzyme-Linked Immunosorbent Assay) kit is intended for the quantitative determination of Carbadox residue in chicken breast.

### General Description

Carbadox is an antibiotic used to control dysentery and promote growth in swine in the United States, however, the drug also causes tumors and birth defects in laboratory animals. Carbadox has a checkered history in livestock production. Carbadox is used to treat bacterial enteritis and to promote growth in swine, but the drug is also a known teratogen and a suspected carcinogen. Because it is not considered medically important in human medicine, the drug can be used in livestock without veterinarian oversight. While its potential carcinogenicity in humans has not been assessed by the U.S. Environmental Protection Agency's Integrated Risk Information System (IRIS) program or the International Agency for Research on Cancer, it has been banned from food animal production in the European Union and Australia based on its potential risk to people.

### Storage

Store the unopened product at 2 - 8 °C. Do not use past expiration date.

### Precision

< 15%

### Sensitivity

1.84 ng/mL

### Specificity

Carbadox 100%

Cyadox 99.5%

Quinoxaline-2-carboxylic acid 7.3%

Olaquinox <1%

Munioacetone <1%

Qunioacetone <1%

3- Methylquinoxaline-2-carboxylic acid <1%