



## User's Manual

# Ketoconazole ELISA Kit



**DEIA-BY058**



**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

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## PRODUCT INFORMATION

### Intended Use

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

### General Description

Ketoconazole is an antiandrogen, antifungal, and antiglucocorticoid medication used to treat a number of fungal infections. Ketoconazole was patented in 1977 by Belgian pharmaceutical company Janssen, and came into medical use in 1981. Ketoconazole has activity against many kinds of fungi that may cause human disease, such as Candida, Histoplasma, Coccidioides, and Blastomyces. Common side effects when taken by mouth include nausea, headache, and liver problems. In July 2013, the U.S. Food and Drug Administration (FDA) issued a warning that taking ketoconazole by mouth can cause severe liver injuries and adrenal gland problems. Ketoconazole is also widely used as an antifungal in animal husbandry, for cattle, sheep, and chickens. However, the long-term consumption of food or feed containing ketoconazole residues exerts serious effects on human and animal health. (Lou, D., et al., 2019; FDA Drug Safety Communication. 2013)

### Storage

The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended below. Store the unopened product at 2 - 8 °C. Do not use past expiration date.

### Precision

<10%

### Sensitivity

0.7 ng/mL

### Specificity

Ketoconazole 100%

Fluconazole <1%

Imidazole <1%

Itraconazole <1%

Voriconazole <1%

### Recovery

92.5-102.7%