



COOKED MEAT SPECIES KITS

General

The ELISA-TEK® Cooked Meat Species kit detects animal species content in cooked and canned matrices. The testing method is based on antibodies raised against heat-resistant species specific, muscle-related glycoproteins.

EuroProxima acts world-wide as professional distributor for this portfolio and offers sales, logistics and technical support from its facilities in Arnhem, the Netherlands.

Protocols used for these kits are adopted by the USDA and appear in the USDA-FSIS Microbiology Lab Guidebook.

Kit characteristics

Limit of Detection

<1% (USDA protocol)

Shelf life

12 months from date of manufacture

Tests per kit

40 samples in duplicate
(20 samples using USDA protocol)

Sample preparation

Meat samples are minced and then extracted using a simple saline solution.

Hands-on time

30 minutes for sample preparation
3 hours for immunoassay

Procedure

Dilutions of the meat extract are added to the microwells coated with purified, species specific antibody to glycoprotein. After allowing the reaction to proceed any unbound material is removed by washing. This step is repeated by addition of a biotinylated secondary antibody and a streptavidin-horseradish peroxidase conjugate. The substrate ABTS is then added which develops a green colour with bound peroxidase. This colour intensity is directly proportional to the concentration of glycoprotein.

Kit format

96 microwell plate system
Single strip format



Productlist

Product code	Description
5801-DT-510603	Cooked Meat Beef/Pork/Poultry
5801-DT-510604	Cooked Meat Beef/Pork/Poultry/Sheep
5801-DT-510611	Cooked Meat Beef
5801-DT-510621	Cooked Meat Pork
5801-DT-510631	Cooked Meat Poultry
5801-DT-510641	Cooked Meat Sheep
5801-DT-510651	Cooked Meat Horse
5801-DT-510661	Cooked Meat Deer
5801-DT-510671	Cooked Meat Turkey