

Product information

| | |
|-----------------------------|--|
| Product name: | Ampicillin ELISA-Test Kit |
| Product number: | EA-1 |
| General Description: | Ampicillin is a beta-lactam antibiotic that has been used extensively to treat bacterial infections. It is considered part of the aminopenicillin family and is roughly equivalent to amoxicillin in terms of spectrum and level of activity. |
| Principle: | The GreenSpring™ Ampicillin ELISA Test Kit is based on the competitive enzyme immunoassay for the detection of Ampicillin in the chicken, pork, duck, honey, milk, fish, shrimp and egg, etc. The antigens conjugated Ampicillin is pre-coated on the micro-well stripes, Ampicillin in the sample and the conjugated antigens pre-coated on the micro-well stripes compete for the anti-Ampicillin antibodies. After the addition of the enzyme conjugate, the TMB substrate is added for coloration. The optical density (OD) value of the sample has a negative correlation with Ampicillin concentration in the sample. This value is compared to the standard curve and concentration of Ampicillin in the sample is subsequently obtained. |

Specifications

| | |
|--------------------------------|---|
| Format: | 96 wells/kit (12 strips with 8 removable wells each) |
| Sensitivity: | 0.1 ppb |
| Detection limit: | Pork (liver), chicken (meat, liver), duck (meat, liver), <i>shrimp, fish, honey and milk</i> – 2 ppb |
| Crossreaction rate: | Ampicillin – 100%; Benzyl penicillin (penicillin G) – 0.8%; Cloxacillin – 0.2%; Dicloxacillin – 0.1%; Amoxicillin – 0.1%; Ceftiofu – 0.1% |
| Sample processing time: | pork (liver), chicken (meat, liver), duck (meat, liver), <i>shrimp, fish</i> – 15 min; <i>honey and milk</i> – 10 min. |
| Detection time: | 80 min. |

All products sold by AntiProt are intended for research use only unless otherwise indicated. This product is not intended for diagnostic or drug purposes, or for use in humans.