

### Product information

<b>Product name:</b>	<b>Tetracyclines (TCs) ELISA-Test Kit</b>
<b>Product number:</b>	ET-1
<b>General Description:</b>	Tetracyclines are a group of broad-spectrum antibiotics whose general usefulness has been reduced with the onset of bacterial resistance.
<b>Principle:</b>	The GreenSpring™ Tetracyclines (TCs) test kit is based on the competitive enzyme immunoassay for the detection of Tetracyclines in the sample. The coupling antigens are pre-coated on the micro-well stripes. The Tetracyclines in the sample and the coupling antigens pre-coated on the micro-well stripes compete for the anti-Tetracyclines antibody. 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 the Tetracyclines in it. This value is compared to the standard curve and the Tetracycline concentration is subsequently obtained.
<b>Specifications</b>	
<b>Format:</b>	96 wells/kit (12 strips with 8 removable wells each)
<b>Sensitivity:</b>	0.05 ppb
<b>Detection limit:</b>	Chicken, duck, pork (meat or liver), shrimp, fish: Tetracyclines - 1ppb, Minocycline - 1ppb, RoliTetracyclines - 1ppb, Aureomycin - 1ppb, Demethylchlor tetracyclines - 3ppb, Terramycin - 2ppb, Doxycycline - 3ppb  Honey: Tetracyclines – 2 ppb, Minocycline – 2 pb, RoliTetracyclines – 2 ppb, Aureomycin – 2 ppb, Demethylchlor Tetracyclines – 6 ppb, Terramycin – 4 ppb, Doxycycline – 6 ppb
<b>Crossreaction rate:</b>	Tetracyclines - 100%, Minocycline - 125%, RoliTetracyclines - 110%, Aureomycin - 100%, Demethylchlor Tetracyclines -35%, Terramycin - 10%, Doxycycline - 5%
<b>Sample processing time:</b>	meat, liver, honey, fish, shrimp – 20 min
<b>Detection time:</b>	80 min.

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