



## IONOPHORE ELISA (5111IONO)

### General

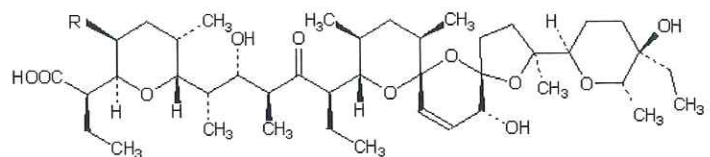
Salinomycin and Naracin belong to the group of polyether antibiotics (ionophores) and are fermentation products of the fungi *Streptomyces albus* and *S. Aureofaciens*, respectively. The main therapeutic application of polyether antibiotics is the prevention and treatment of coccidiosis in poultry. Coccidiosis is a parasitic disease, caused by protozoa resident in the intestinal epithelium, which occurs wherever animals are housed in small areas that are contaminated with coccidial oocysts.

### Kit characteristics

- **Microtiter plate:**  
12 x 8 break wells
- **Antibody cross-reactivity:**

Salinomycin	200%
Naracin	100%
Monensin	< 1%
Lasolcid	< 1%
- **Conjugate:**  
Salinomycin-HRP stabilized

Inter Assay variation:	4%
Intra Assay variation:	9%
- **Standard range (ready-to-use):**  
1.25, 2.5, 5, 10, 20 and 40 ng/ml



R = H : SALINOMYCIN  
R = CH<sub>3</sub> : NARASIN

Chemical structure of salinomycin and naracin

### Assay procedure

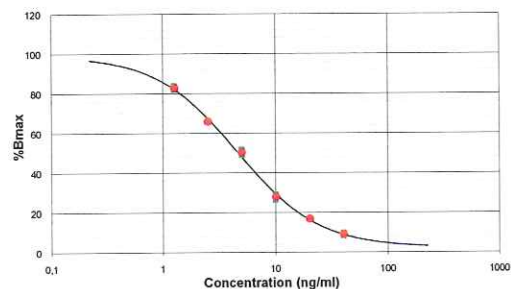
Antibody, conjugate and sample/standard are pipetted into the wells of the microtiter plate and incubated for 1 hour at 2°C - 8°C.

After a washing procedure ready to use substrate is added and incubated for 30 minutes at RT. Stop the reaction and read in a spectrophotometer at 450 nm.

A calculation program is available upon request.

### Assay characteristics

Matrices	LOD (ppb) <sup>*1</sup>
Tissue	4
Pet feed	20



<sup>\*1</sup>LOD(Limit of Detection); Validation according SANCO/1085/2000.