



InSight V-IA T4 Evaluation
vs. IDEXX T4

The InSight V-IA is an easy to use Veterinary Immunoassay Analyser providing accurate and reliable results in 3-15 minutes. The InSight V-IA uses immunofluorescence technology for accurate results. A competitive binding assay is based upon the competition of labelled and unlabelled analytes for a limited number of antibody binding sites. Unbound antibodies and immunocomplexes migrate along the nitrocellulose membrane towards the test line. The unbound antibodies are then captured by antigens immobilised on the test line. The fluorescent signal intensity reflects the amount of analytes captured and is measured by the InSight V-IA.

T4

T4 is used to assist in the evaluation of thyroid function.

Comparison Items

InSight V-IA:

Test Item – T4

Quantity of Samples – 50 Tests

Instrument – InSight V-IA Veterinary Immunoassay Analyser

IDEXX:

Test Item – T4

Quantity of Samples – 50 Tests

Instrument – Catalyst One

Results

| Sample | IDEXX (nmol/L) | InSight V-IA (nmol/L) |
|---------------|-----------------------|------------------------------|
| 1 | 36.6 | 35.82 |
| 2 | 36.6 | 39.73 |
| 3 | 24.8 | 27.12 |
| 4 | 24.7 | 28.64 |
| 5 | 13.0 | 9.82 |
| 6 | 13.0 | 10.02 |
| 7 | 13.0 | 8.85 |
| 8 | 13.0 | 15.64 |
| 9 | 26.3 | 25.61 |
| 10 | 13.0 | 18.84 |
| 11 | 36.8 | 38.71 |
| 12 | 38.9 | 42.23 |
| 13 | 13.0 | 6.53 |
| 14 | 34.5 | 38.94 |
| 15 | 29.2 | 35.97 |
| 16 | 13.0 | 8.45 |
| 17 | 29.8 | 28.36 |
| 18 | 19.9 | 24.51 |
| 19 | 18.4 | 12.35 |
| 20 | 13.0 | 6.97 |
| 21 | 18.6 | 9.81 |
| 22 | 19.4 | 21.7 |
| 23 | 32.4 | 35.92 |

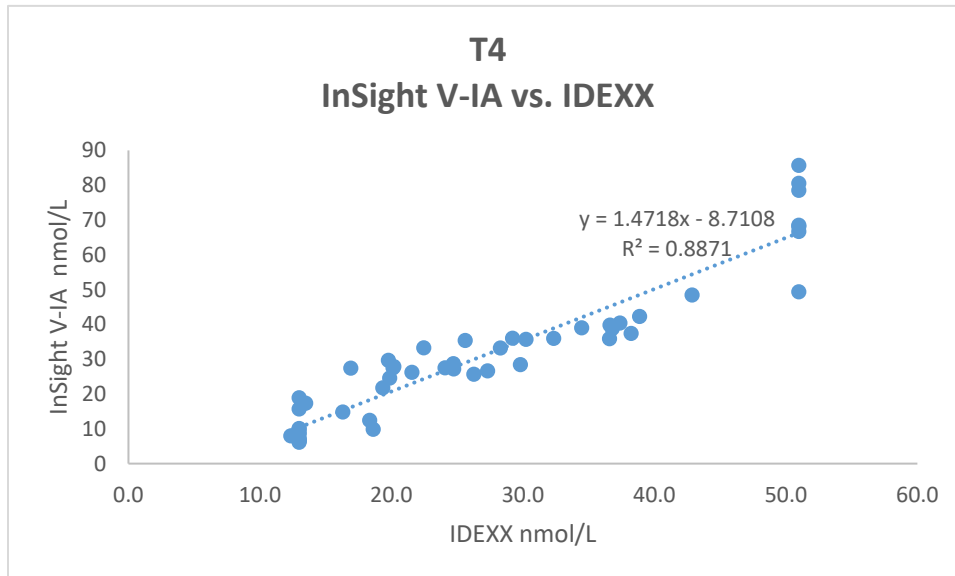
| | | |
|----|------|-------|
| 24 | 13.0 | 6.05 |
| 25 | 16.9 | 27.34 |
| 26 | 13.5 | 17.27 |
| 27 | 51.0 | 85.64 |
| 28 | 51.0 | 49.3 |
| 29 | 51.0 | 68.05 |
| 30 | 21.6 | 26.17 |
| 31 | 51.0 | 80.47 |
| 32 | 20.1 | 27.47 |
| 33 | 12.4 | 7.89 |
| 34 | 51.0 | 66.65 |
| 35 | 22.5 | 33.21 |
| 36 | 30.3 | 35.64 |
| 37 | 51.0 | 68.43 |
| 38 | 13.0 | 7.21 |
| 39 | 51.0 | 78.48 |
| 40 | 13.0 | 6.44 |
| 41 | 16.3 | 14.74 |
| 42 | 20.2 | 27.82 |
| 43 | 24.1 | 27.47 |
| 44 | 28.3 | 33.15 |
| 45 | 37.4 | 40.34 |
| 46 | 25.6 | 35.31 |
| 47 | 27.3 | 26.58 |
| 48 | 38.3 | 37.36 |
| 49 | 42.9 | 48.36 |
| 50 | 19.8 | 29.61 |

NOTE:

- Samples 1-25 = Dogs
- Samples 26-50 = Cats

Linear Correlation

| | |
|----------------|--------|
| R ² | 0.8871 |
| R | 0.9419 |



| T4 | | IDEXX | | |
|--------------|----------|----------|----------|-------|
| | | Positive | Negative | Total |
| InSight V-IA | Positive | 15 | 2 | 17 |
| | Negative | 3 | 30 | 33 |
| | Total | 18 | 32 | 50 |

| | |
|---------------------------|-----|
| Positive Coincidence Rate | 83% |
| Negative Coincidence Rate | 94% |
| Total Coincidence Rate | 90% |

Reference Range of T4 in Serum

| | Signification | nmol/L | ug/dL |
|--------|---------------|---------|---------|
| Canine | Low | <12.9 | <1.0 |
| | Normal | 12.9-50 | 1.0-3.9 |
| | High | >50 | >3.9 |
| Feline | Low | <10.3 | <0.8 |
| | Normal | 10.3-60 | 0.8-4.7 |
| | High | >60 | >4.7 |