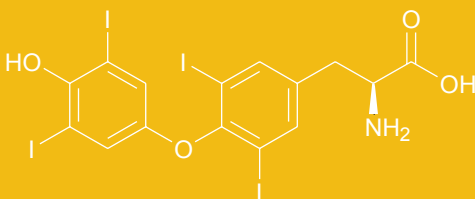




remARKably better.

ARK™ T4 ASSAY



The ARK T4 Assay is a homogeneous immunoassay intended for the quantitative determination of T4 in canine and feline serum. The assay is designed for use in laboratories with automated clinical chemistry analyzers.

KEY POINTS

- ☼ Convenient, liquid-stable, ready-to-use homogeneous enzyme immunoassay
- ☼ Applicable to many automated clinical chemistry analyzers
- ☼ Calibration range from 0.5 – 20 µg/dL
- ☼ LOQ of 0.5 µg/dL
- ☼ Calibration stability up to at least 14 days
- ☼ Nonhazardous preservatives

PRECISION

Sample (µg/dL)	N	Mean (µg/dL)	Within Run		Between Day		Total	
			SD	CV (%)	SD	CV (%)	SD	CV (%)
1.5	40	1.4	0.04	2.9	0.03	2.1	0.05	3.6
8.0	40	7.9	0.12	1.5	0.20	2.5	0.23	2.9
16.0	40	15.8	0.36	2.3	0.22	1.4	0.45	2.8

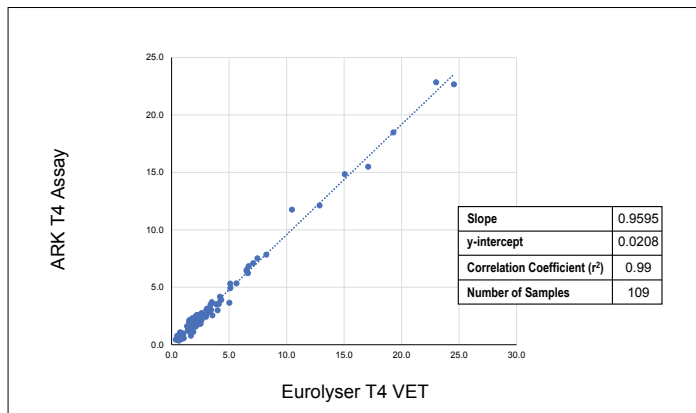
Tri-level controls containing T4 were used in the study. Each level was assayed in quadruplicate twice a day for 5 days.

SPECIFICITY

Compound	Concentration Tested (µg/dL)	Mean (µg/dL)	Cross-reactivity (%)
Triiodothyronine (T3)	10	1	10
Triiodothyroacetic acid	10	0	0
Tetraiodothyroacetic acid	1000	0	0
3-Iodotyrosine	1000	0	0
3,5-Diiodo-4-hydroxyphenylpropionic acid	1000	0	0
3,5-Diisopropyl-4-hydroxy benzoic acid	1000	0	0

METHOD COMPARISON

Correlation studies were performed using CLSI Protocol EP9-A2. A total of 50 canine, 30 feline, and 30 equine serum specimens were analyzed by the ARK T4 Assay and the Eurolyser T4 VET test on the Eurolyser CUBE-VET analyzer.



SAFETY AND STABILITY

Reagent On-board Stability

Up to at least 60 days

Typical Shelf Life of Reagents, Calibrators, and Controls

9-12 months from shipping date

Safety

Nonhazardous preservatives

Contains sodium azide ≤ 0.09%

Results shown are typical and may vary among laboratory analyzers.

ORDERING INFORMATION

ARK™ T4 Assay 5027-0001-01 4 x 28 mL R1, 4 x 14 mL R2
 5027-0001-02 4 x 115 mL R1, 4 x 58 mL R2

ARK™ T4 Calibrator 5027-0002-00 6 x 4 mL
 5027-0002-01 2 x 4 mL

ARK™ T4 Control 5027-0003-00 3 x 4 mL

For veterinary use only



ARK™ SDMA Assay

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