thermoscientific



Veterinary diagnostic solutions

Indiko analyzers - clinical standards for companion care

ThermoFisher SCIENTIFIC

Fast and reliable diagnostics

Originally developed for the rigorously regulated clinical laboratories, Thermo Scientific™ Indiko™ analyzers, Indiko and Indiko Plus employ standardized methods and automation to ensure reliability. Both external quality rounds and a real-time quality control program guarantee correct results.



Clinical standards for companion care

Applications are optimized for specific animals and samples, ensuring sound diagnostics, and proven IVD-class solutions. Single-use cuvettes minimize the risk of contamination. Results are stored and you can easily access them for a long time afterwards.

AUTOMATION SAVES MONEY

- Run multiple tests from one sample
- Use the same reagent for different species
- Analyze different sample matrices at the same time

BUILT-IN INTELLIGENCE

- Reflex testing capability allows for automated follow-up testing
- Automated dilution features enable extended measuring ranges

Your best friends cannot talk

Let Indiko systems speak for them

Originally developed for clinical laboratories, Indiko random access analyzers are now optimized also for testing animal blood samples, giving uncompromisingly reliable results for dog, cat, horse and other animal samples.

Intuitive user interface design and extensive use of automated processes make Indiko and Indiko Plus random access analyzers very easy to use, leading to cost savings and increased efficiency.

You can analyze greater number of samples in a shorter time, giving your business an opportunity to grow.

Optimal for all companions

Dogs, cats, horses and other animals

Table 1. Observed reference ranges for veterinary samples vs. existing system application measurement ranges.

Application	Unit	Analytical meas. range		Extended meas. range		Horse		Dog		Cat	
		Low range	High range	Low range	High range	Low range	High range	Low range	High range	Low range	High range
Sodium	mmol/l	100	200	100	200	136	145	145	153	151	158
Potassium	mmol/l	2	10	2	10	2,6	4,5	4,1	5,6	4,0	5,9
Chloride	mmol/l	60	150	60	150	96	105	105	116	113	123
Calcium	mmol/l	0,7	4	0,7	12	2,7	3,2	2,3	2,8	2,3	2,7
Phosporus	mmol/l	0,08	4	0,08	20	0,68	1,36	0,94	1,68	0,9	2,0
Magnesium	mmol/l	0,05	1,5	0,1	4,5	0,53	0,95	0,58	0,90	0,66	0,95
Total Protein	g/l	3	100	3	250	57	77	53	70	63	83
Albumin	g/l	2	45	2	135	30	37	31	42	28	42
Creatinine (Enz.)	µmol/l	10	2500	10	10000	53	142	53	124	53	177
Creatinine (Jaffe)	µmol/l	20	2500	20	10000	53	142	53	124	53	177
Urea	mmol/l	1,5	20	1,5	60	3,9	10,0	3,6	11,4	5,7	12,9
Bilirubin, Total	µmol/l	1	500	1	2500	8,6	42,7	0,0	3,4	0,0	3,4
Bilirubin, Direct	µmol/l	1	170	1,0	1190	1,7	5,1	0,0	1,7	0,0	1,7
AST / GOT (IFCC)*	U/l	4	1050	4	2100	199	374	14	51	7	38
ALT / GPT (IFCC)	U/l	5	300	4	1800	0	6	20	98	35	176
ALP	U/l	20	1000	20	10000	68	260	17	111	13	83
CK (IFCC)	U/l	10	1000	10	9000	142	548	48	261	73	388
GGT*	U/l	7	600	15	6000	8	29	0	6	0	2
LDH (IFCC)	U/l	10	600	10	3000	160	453	30	236	57	451
Cholesterol	mmol/l	0,2	15	0,2	45	1,8	3,4	3,6	8,6	1,7	8,2
Iron	µmol/l	1	180	1	540	13,4	36,9	14,0	38,4	9,5	26,0
Glucose (HK)	mmol/l	0,3	40	0,3	120	3,94	6,27	3,50	6,55	3,55	8,00
Glucose (GOD-POD)	mmol/l	0,3	20	0,3	60	3,94	6,27	3,50	6,55	3,55	8,00
Amylase (IFCC)	U/l	10	1500	10	24000	NA	NA	377	1220	532	2008
Lipase (Colorimetric)	U/l	16	300	16	1500	12	39	78	765	5	222
Triglycerides	mmol/l	0,05	11	0,05	55	0,2	0,9	0,25	1,41	0,3	1,5
Uric Acid (AOX)	µmol/l	10	1200	10	7200	6,0	23,0	6,00	18,00	0,0	30,0

*Modified for veterinary use

Other generic Indiko system applications

Bicarbonate	Cholinesterase	U/CSF Protein	T4**

**In development

Extensive automation: easy to use

Continuous access to samples and reagents

Indiko and Indiko Plus random access analyzers are extensively automated, saving both money and time for you. Load samples and walk away, or keep loading new samples and reagents without interrupting ongoing analysis. Different samples can be analyzed at the same time and they are automatically diluted and retested if necessary. You get the results fast, thanks to random access, sample-oriented automated optimization of workload.

Intuitive user interface arranges complete solutions by test panels. If you need to run certain specific tests, you can easily pick and choose the ones you need - no need to run the complete panel. Robust design leads to maximal uptime: Indiko needs maintenance just 5 min/day, 15 min/week and 30 min/month.

Our animal companions deserve the same **high-quality care and testing as humans do.**

Cost-efficiency with wet chemistry

Let's grow together!

	Indiko	Indiko Plus
Capacity	up to 200 photometric tests/hour up to 120 ISE tests/hour	up to 350 photometric tests/hour up to 135 ISE tests/hour
On-board sample capacity	max 90 with 5x18-pos. sample rack and 1x6-pos. reagent rack	max 108 with 6x18-pos. sample rack
On-board reagent capacity	max 30 with 1x9- or 1x18-pos. sample rack and 5x6-pos. reagent rack	max 42 reagent pos.
Walk away time	up to 2 hours	up to 3 hours
Water consumption	1.5 liter/hour	2.5 liters/hour
Dimensions and weight	75 cm/29.5 inch (width) 70 cm/27.6 inch (depth) 62 cm/24.4 inch (height) 130 cm/51 inch (height with open cover) 85 kg/187 lbs (weight)	94 cm/37 inch (width) 70 cm/27.6 inch (depth) 62 cm/24.4 inch (height) 130 cm/51 inch (height with open cover) 110 kg/242 lbs (weight)

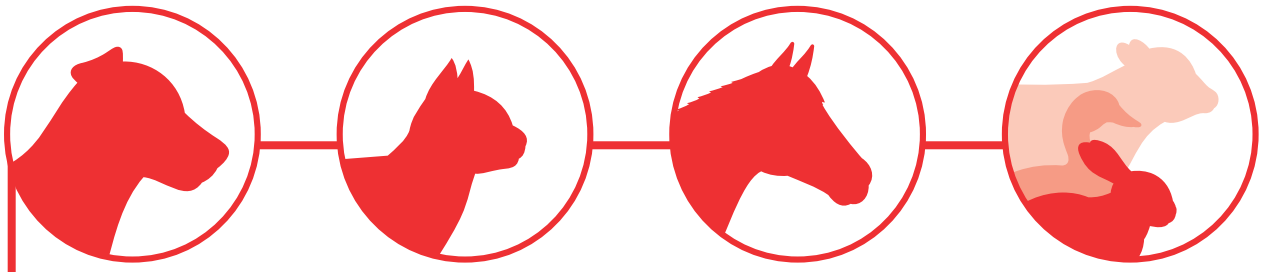
Indiko analyzer is more than an instrument: it's the complete solution!



Bar-coded reagents ensure

- optimal reliability
- ease of use
- reduce operator errors

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- **COMPLETE SOLUTION** with analyzer and reagents
- **AUTOMATION SAVES TIME,** money and guarantees reliability
- **OPTIMIZED APPLICATIONS** are flexible and easy to use



Indiko

Indiko Plus

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