

Superior performance | Advanced features



8 electrodes



No coding



Can test neonates, pregnant women, anemia people etc.



Wide operating temperature



0.5 µL blood sample



5s testing time



Insufficient sample detection



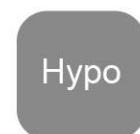
Strip ejector



900-test memory



Meal markers



Hypo warming



5 test alarms

Specification

Feature	Specification
Measurement range	10 to 600 mg/dL (0.6-33.3 mmol/L)
Result calibration	Plasma-equivalent
Sample	Fresh capillary whole blood
Sample volume	About 0.5 µL
Test time	About 5 seconds
Power source	Two (2) CR 2032 3.0V coin cell batteries
Battery life	12 months or approximately 1,000 tests
Memory	900 records with date and time
Automatic shutoff	2 minutes after last action
Weight	Approximately 47g (with batteries)
Operating temperature	5-45 °C
Operating relative humidity	10-90% (non-condensing)
Hematocrit range	20-70%
Data port	Micro USB



Catalog | Ordering Information

Item	Catalog No.	Contents
VivaChek™ Ino Starter Kit	VGM01-011	Meter 10 Test strips 10 Lancets Lancing device Control solution N (2mL)
VivaChek™ Ino Starter Kit II	VGM01-012	Meter 10 Test strips 10 Lancets Lancing device
VivaChek™ Ino Meter Only Kit	VGM01-013	Meter 10 Lancets Lancing device Control solution N (2mL)
VivaChek™ Ino Meter Only Kit II	VGM01-014	Meter Lancing device
VivaChek™ Ino Meter Only Kit III	VGM01-015	Meter
VivaChek™ Ino Meter Only Kit IV	VGM01-016	Meter Lancing device 10 Lancets
VivaChek™ Ino Test Strips 50s (25/vial)	VGS01-011	50 Test strips (25/vial)
VivaChek™ Ino Test Strips 25s (25/vial)	VGS01-012	25 Test strips (25/vial)
VivaChek™ Ino Test Strips 10s (10/vial)	VGS01-013	10 Test strips (10/vial)
VivaChek™ Ino Test Strips 100s (25/vial)	VGS01-014	100 Test strips (25/vial)
VivaChek™ Ino Test Strips 50s (individual)	VGS01-015	50 Test strips (individual)
VivaChek™ Ino Test Strips 25s (individual)	VGS01-016	25 Test strips (individual)
VivaChek™ Ino Test Strips 100s (individual)	VGS01-017	100 Test strips (individual)
VivaChek™ Ino Test Strips 50s (50/vial)	VGS01-018	50 Test Strips (50/vial)
VivaChek™ Ino Test Strips 200s (50/vial)	VGS01-019	200 Test strips (50/vial)
VivaChek™ Ino Test Strips 100s (50/vial)	VGS01-01A	100 Test strips (50/vial)
VivaChek™ Ino Control Solution	VGCO1-011	Control solution L (2mL) Control solution N (2mL) Control solution H (2mL)
VivaChek™ Lancing Device	VGD01-001	Lancing device
VivaChek™ Lancets 50s	VGL01-002	50 Lancets
VivaChek™ Lancets 100s	VGL01-003	100 Lancets
VivaChek™ Safety Lancets 50s	VGL02-001	50 Safety lancets
VivaChek™ Safety Lancets 100s	VGL02-002	100 Safety lancets



Number: 1280002801
Effective Date: 2016-01-11
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VivaChek™ Ino
Blood Glucose Monitoring System



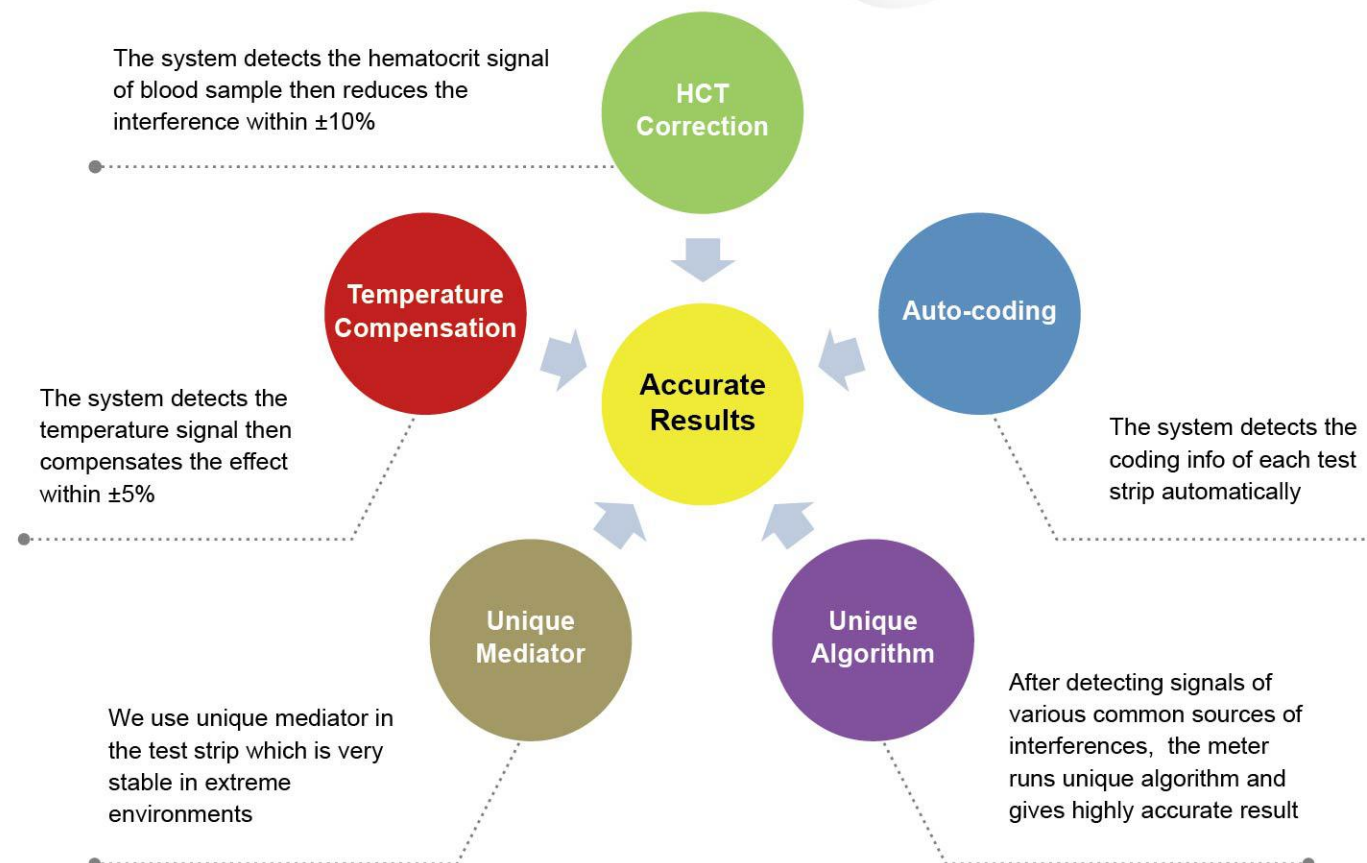
Simple & Reliable

Fulfills all the requirements of DIN EN ISO 15197: 2013





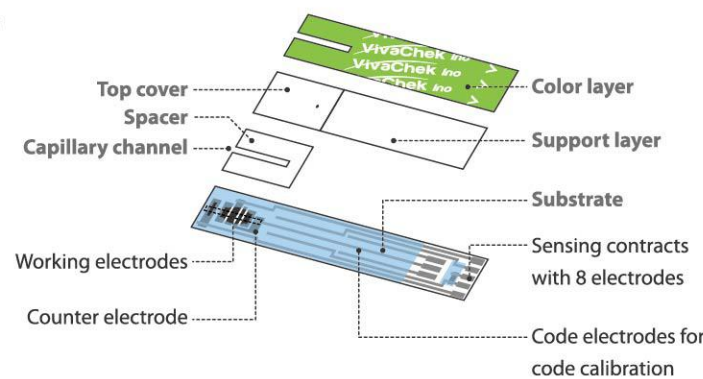
Cutting-edge technologies



Advanced 8 electrodes

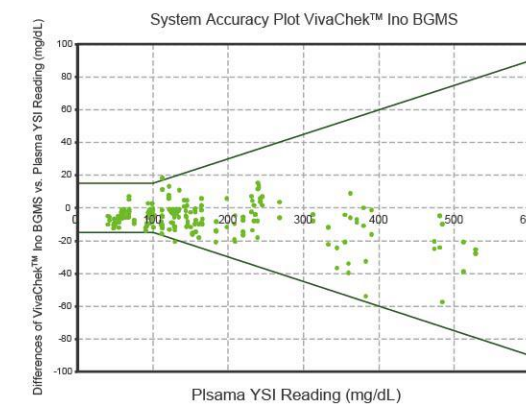
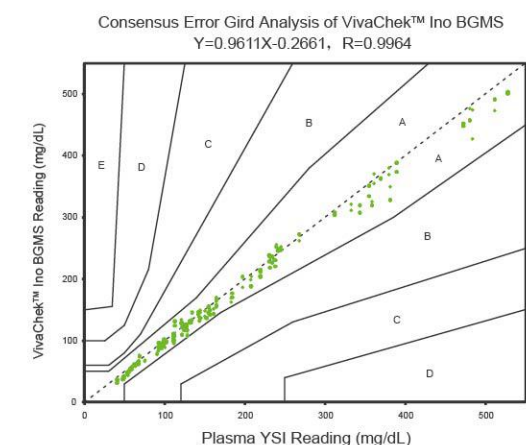
The 8 electrodes on the VivaChek™ Ino test strip are working with the VivaChek™ Ino meter to deliver highly accurate result. Detailed functions of those electrodes are:

- ✓ Code calibration (auto-coding)
- ✓ Eliminating hematocrit interference
- ✓ Eliminating temperature interference
- ✓ Checking humidity exposure
- ✓ Checking whether the sample is sufficient
- ✓ Checking whether the sample is blood or control solution
- ✓ Checking the possible damage of the test strip



Proven accuracy

A recent independent clinical study conducted by IDK Germany* shows that **98.8%** of all results from VivaChek™ Ino blood glucose monitoring system are within $\pm 15\%$ or 15 mg/dL (0.83 mmol/L) of the YSI plasma results, which is fully complying with the new DIN EN ISO 15197:2013 standard.



*IDK: Institute of Diabetes » Gerhardt Katsch « Karlsruhe (www.diabetes-karlsruhe.de).

Risk level (CEG zone)	Risk to diabetic patient
A	No effect on clinic action
B	Altered clinical action-little or no effect on clinical outcome
C	Altered clinical action-likely to effect clinical outcome
D	Altered clinical action-could have significant medical risk
E	Altered clinical action-could have dangerous consequences

System accuracy results for glucose concentration < 5.55 mmol/L (100 mg/dL)

Within ± 0.28 mmol/L (5 mg/dL)	78/186 (41.9%)
Within ± 0.56 mmol/L (10 mg/dL)	148/186 (79.6%)
Within ± 0.83 mmol/L (15 mg/dL)	185/186 (99.5%)

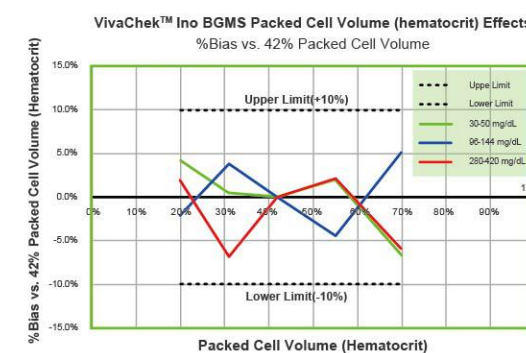
System accuracy results for glucose concentration ≥ 5.55 mmol/L (100 mg/dL)

Within $\pm 5\%$	233/414 (56.3%)
Within $\pm 10\%$	360/414 (87.0%)
Within $\pm 15\%$	408/414 (98.6%)

System accuracy results for glucose concentration between 2.28 mmol/L (40.9 mg/dL) and 29.4 mmol/L (528.3 mg/dL)

593/600 (98.8%)

Hematocrit effect study



Over and under estimation of glucose due to hematocrit effect is a common source of error. Anemia falsely elevates and polycythemia and dehydration falsely depress blood glucose values. The magnitude of this effect may vary 4-30% for every 10% change in hematocrit, depending on the systems.^{1,2,3} According to WHO, anemia affects about 24.8% of the population in the world, about 47.4% of pre-school children and 41.8% of pregnant women worldwide.⁴

With the advanced Hematocrit Correction technology, the VivaChek™ Ino blood glucose monitoring system could be used for testing patients with hematocrit level within 20-70%, including neonates with very high hematocrit level, as well as anemia people and pregnant women with very low hematocrit level.

References:

1. Consensus Statement on Self Monitoring of Blood Glucose. Diabetes Care 1987; 1: 95-99.
2. The effect of Haematocrit on reagent strip test for glucose. Diabet Med 1991; 18 (2): 172-175.
3. Factors Affecting Blood Glucose Monitoring: Source of Errors in Measurement H.Gnsberg Barry, MD, Ph.DJ Diabetes Sci Technol. Jul 2009; 3 (4): 903-913.
4. Worldwide prevalence of anemia 1993-2005, WHO Global Database on Anaemia Geneva, World Health Organization, 2008.