Specification

Item	Specification
Methodology	High Performance Liquid Chromatography (HPLC)
Analytes	HbA1c, HbF, HbA1a, HbA1b, LA1c, HbA0, HbC, HbD, HbE, HbS, HbA2
Measuring Range	(NGSP) 3.0% — 20.0%
Precision	CV ⩽ 2%
Resolution	0.01%
Throughput	Standard: 60 s/test · Variant: 96 s/test · Thalassemia: 360 s/test
Sample Type	Venous blood, finger peripheral blood, lyophilized whole blood
Loading Capacity	51 samples (1 STAT)
Reagent Kit	Eluent 1, Eluent 2, Eluent 3, Hemolysis Reagent, Calibrator, QC Material
Consumables Management	RFID model
Display	10.4″ touch screen
Data Storage	100,000 sample results with chromatograms
Result Output	External printer, internal thermal printer, LIS, USB
Temperature	10 — 30 °C (50 — 86 °F)
Humidity	30% — 75%
Power Supply	AC 100—240 V, 50/60 Hz, 120 VA
Dimensions	691 (L) × 555 (W) × 560 (H) mm
Weight	55 kg

TRUTH BIOTECHNOLOGY CO., LTD

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Manufacturer: 4/F, building No. 16, Lane 442, Linzhong road, 1,
Lindai tower,pinghu city, jiangxin city, zhejiang province, P.R.China

Scan for more information

唯真 TRUTH

Truth-H80 (HPLC)
Automatic Glycated Hemoglobin (HbA1c) Analyzer

Accurate

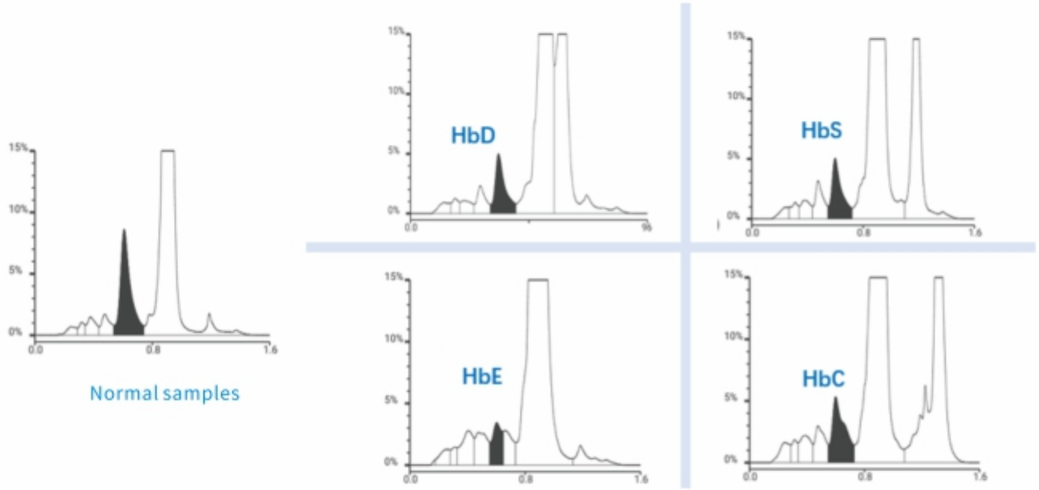
Faster

Hb-Variant Detection



Glycosylated hemoglobin(HbA1c)is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over8~12weeks.

96s Variant mode



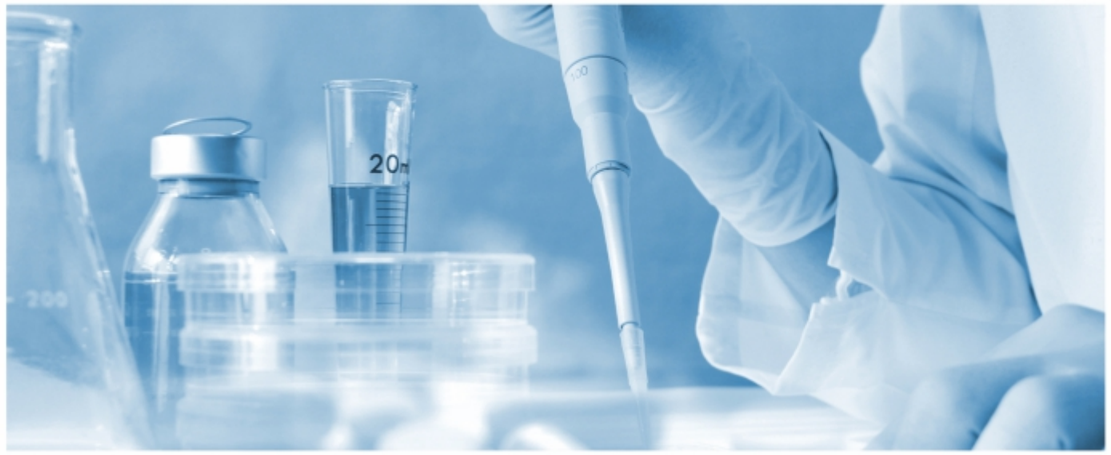
Switchable Variant Mode detects normal specimens and C/D/E/S variants. Proprietary algorithms accurately quantify HbA1c (blackhighlighted region) and flag variant occurrence

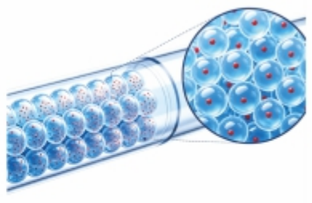


About Truth

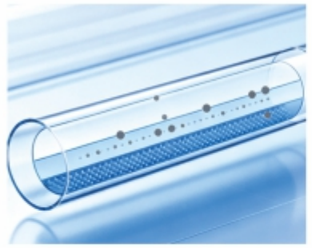
Truth Biotech was founded in 2019, focusing on R&D, manufacturing, sales and service of in vitro diagnostic (IVD) products, specializes in HbA1c HPLC products. Truth Biotech headquartered in Shenzhen city and manufacturer in Jiaxing, Zhejiang Province, China .
As a original manufacturer, Truth Biotech Has been working for OEM, ODM project for leading company in China, Its business covers all provinces in China and some regions in Global.

ISO 13485:2016 NGSP IFCC CE NMPA

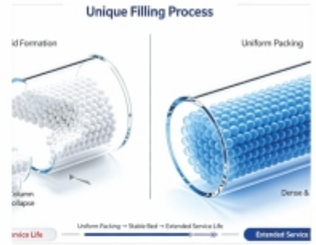




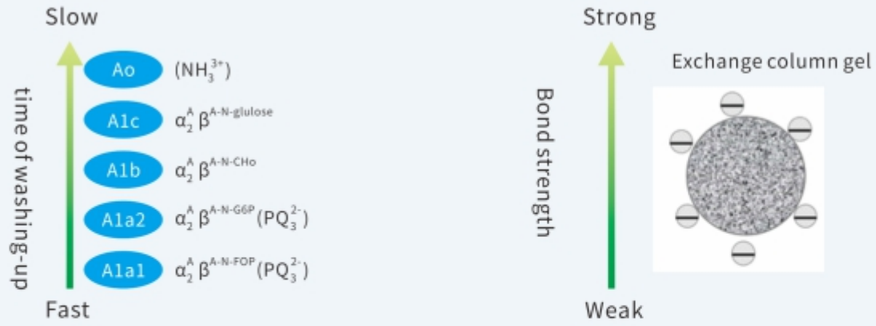
With unique Precipitation polymerization process, Homogeneous gel and Dense cation binding targets can be acquired, improving column efficiency



Unique metal ion elimination process can reduce non-specific binding, improving column efficiency



Unique filling process can avoid voids and column collapse, enhancing usage time



High Accuracy

- Advanced HPLC Gold Standard Methodology
- NGSP and IFCC Certified
- High correlation with pioneer model, CV less than 1%
- Outstanding stability, result not affected by dilution
- Eliminate interfering factors to make accurate result
- High performance chromatography column

High Efficiency

- Only one Eluent changed for variant model
- Long lifespan chromatography column with 2000 test/24 month

High Automation

- 50 samples position with one STAT position
- Automatic cap piercing; Internal barcode reader

Outstanding Flexibility

- Sample automatic loading and testing and identification
- Variant mode supports detection of normal samples and C/D/E/S variants
- Realtime abnormal condition selfdiagnosis & automatic recovery for occasional faults
- One click to replace Consumables

Android system,
LIS supported



10.4-inch touch screen with
asy-to-use interface



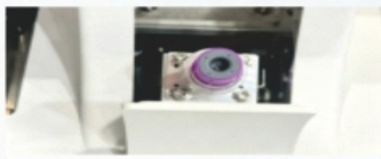
Consumables
replaced with one click



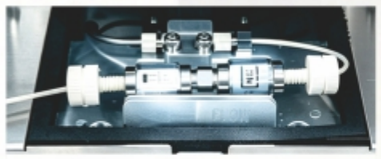




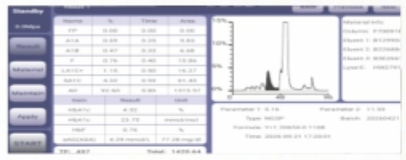
Rapid result – 60S standard
model and 96S variant model



Automatic cap piercing;
Internal barcode reader



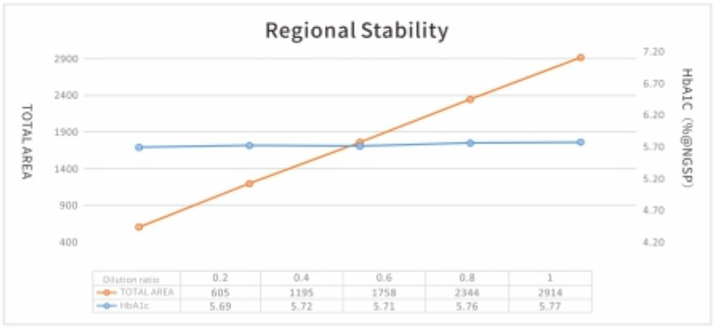
High Performance Column
with long lifespan
and replaced easily



Separation Component HbA1c,
HbF, HbA1a, HbA1b, LA1c,
HbA0, HbC, HbD, HbE, HbS,HbA2

Precise and Reliable

Outstanding regional stability, the sample results are not affected by dilution

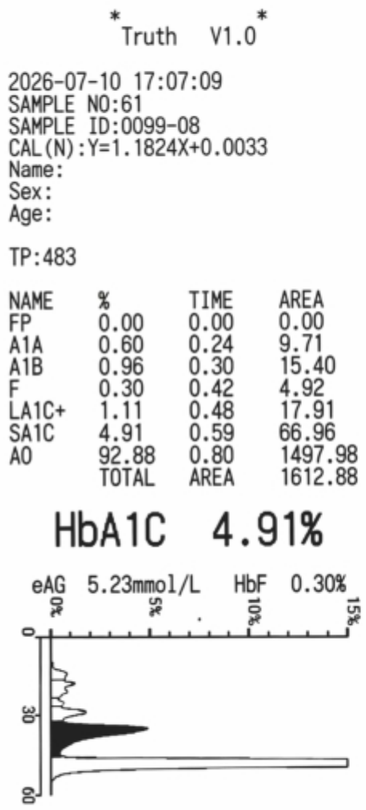


Dilution ratio	0.2	0.4	0.6	0.8	1
TOTAL AREA	605	1195	1758	2344	2914
HbA1c	5.69	5.72	5.71	5.76	5.77

Outstanding repeatability

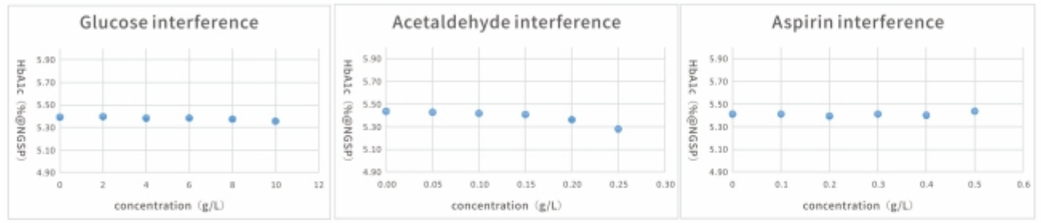
NO	LOW	MEDIUM	HIGH
1	6.00	8.57	11.44
2	5.97	8.51	11.39
3	5.94	8.57	11.47
4	5.97	8.53	11.34
5	5.97	8.64	11.57
6	5.96	8.62	11.49
7	5.94	8.6	11.51
8	5.97	8.68	11.46
9	5.97	8.56	11.49
10	6.04	8.54	11.44
11	5.96	8.56	11.43
12	6.00	8.62	11.45
13	5.97	8.6	11.47
14	6.00	8.59	11.47
15	6.00	8.53	11.44
16	5.92	8.62	11.46
17	6.02	8.62	11.44
18	6.00	8.53	11.41
19	5.97	8.59	11.43
20	5.97	8.63	11.5
MEAN	5.977	8.5855	11.455
CV	0.48%	0.52%	0.42%

PS. The data above is the testing data of Truth-H80



Research on multiple interfering substances to avoid affecting test results





Good correlation with mainstream models

