SPECIFICATION

ANALYSIS PRINCIPLE	High performance liquid chromatography (HPLC)
DETECTION SPEED	60s/test
SAMPLE POSITION	51 (50 automatic sample positions, 1 emergency position)
INJECTION METHOD	Orbital injection, bidireactional LIS automatically identifies sample types
QC CALIBRATION	Dedicated quality control and calibration rack, automatic quality control and calibration
ELUTION METHOD	Ternary gradient elution
SEPARATION COMPONENT	7 (FP, A1A.A1B, F, LA1C+, SA1C, A0)
SAMPLE TYPE	Whole blood/Hemolysis
SAMPLE CONTAINER	Support vacuum blood collection tubes, micro cups, biochemical cups
SAMPLING METHOD	Original tube puncture
LINEAR RANGE	3%-19%
REPEATABILITY	CV<2%
CONSUMABLES MANAGEMENT	RFID management mode, multiple reagent combinations can be replaced with one click
RESULT REPORT	Built-in thermal printer, can print graphic result Report IFCC and NGSP result at the same time
OPERATION INTERFACE	10.4 inches touch screen
SOFTWARE SYSTEM	Android system
DIMENSION	691(L) mm X 555(W) mm X 560(H) mm
WEIGHT	55 kg

Guangzhou Wondfo Biotech Co., Ltd.
No.8 Lizhishan Road, Science City, Huangpu District,
A510663, Guangzhou, P.R.China
Tel: (+86) 400-830-8768
Website: en.wondfo.com
E-mail: sales@wondfo.com.cn

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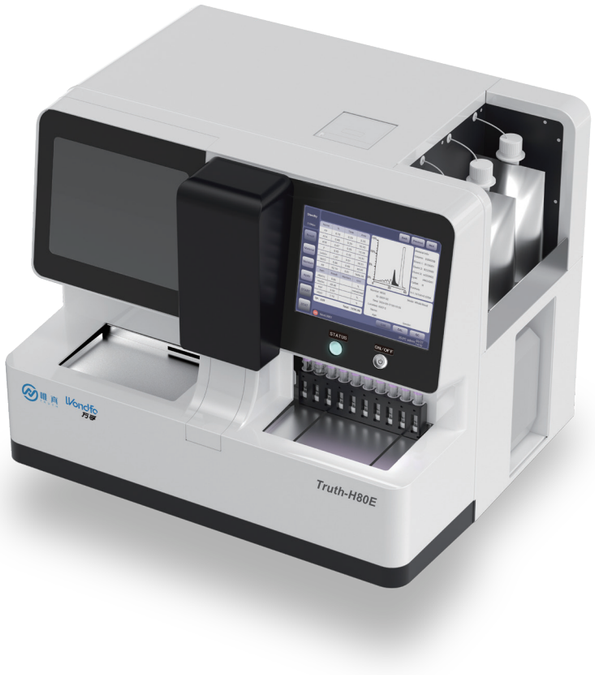
HPLC Hemoglobin Analyzer

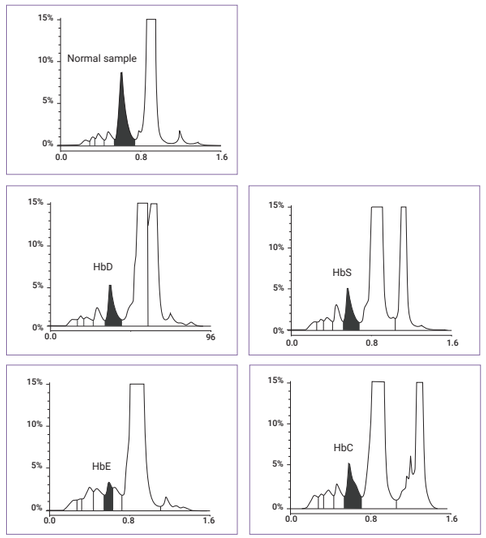
Truth-H80E

Gold Standard | Design For Diabetes Diagnosis

Fast Innovative Precise Convenient Reliable

High Performance HPLC Hemoglobin Analyzer





High Efficiency

- Test speed: 60s/test
- Independent emergency position, can add sample at any time
- Consumables are managed with RFID cards to avoid reagent errors

Reliable Result

- Be able to identify the most common glycosylated hemoglobin variants
- Report IFCC and NGSP results simultaneously
- Accurately report HbA1c results if there are abnormal hemoglobin samples

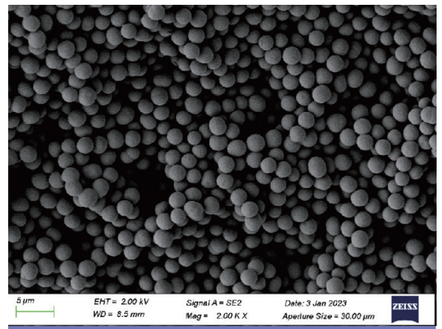
Innovative Function

- Patented automatic exhaust system reduces instrument failure rate
- Side-hole needle ensures accurate sampling
- Chromatographic column can be replaced easily

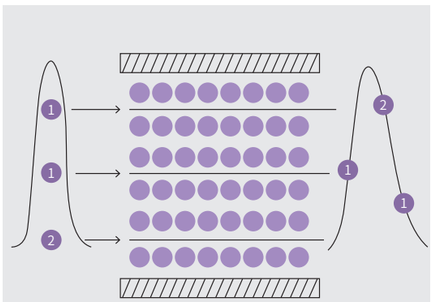
Intelligent Design

- Automatic calibration and control process
- Highly polished steel probes minimize carry-over
- Automatically identify sample types and support bidirectional LIS system

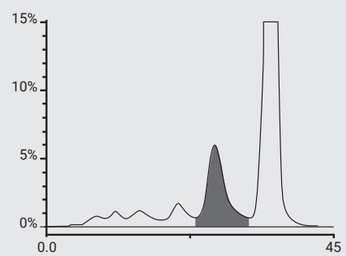
High-efficiency Chromatographic Column



High density gel improves column efficiency and resolution ensuring more accurate result

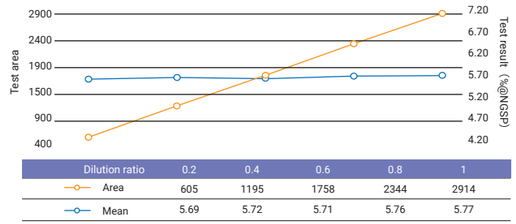


Patented gel filling technique extends usage life of chromatographic column



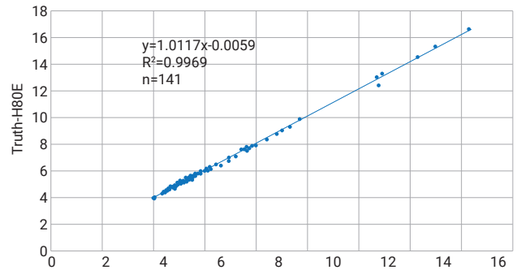
Result is demonstrated by sharp peak and high resolution

High-precision Result



Dilution ratio	0.2	0.4	0.6	0.8	1
Area	605	1195	1758	2344	2914
Mean	5.69	5.72	5.71	5.76	5.77

Result is accurate and stable, not affected by the dilution ratio and sample sedimentation



Exellent correlation with mainstream models

No.	Low value	Middle value	High value
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%

Extraordinary Repeatability