

General Specifications:

Model: Thor-20

Method: HPLC

Parameters: HbA1c, HbF, HbAlb, HbA0, HbA2 (optional)

Mode: Fast Mode, Variation Mode (optional)

Sample Type: Whole blood, Pre-diluted Blood

Test Speed: 90 second/test

Precision: CV < 2%



| Description | Pack Size | Product | Volume/PCS | Remark |
|--|--------------|-----------------------|--------------|-----------------------------|
| Glycosylated Hemoglobin Test Reagent Kit | 600T 300T | Eluent A | 1000ml(300T) | Blue Label |
| | | Eluent B | 250ml(300T) | Green Label |
| | | Eluent C | 650ml(300T) | Optional & Orange Label |
| | | Hemolysis | 2300ml(300T) | Red Label |
| | | Column Filter | 1PCS | Lasting for 600 tests |
| | | Paper Rolls | 1PCS | |
| | | Hemolysis | 100ml | For use in calibration & QC |
| Automated HbA1c Analyzer | | Chromatography Column | 1PCS | Lasting for 3000 tests |

| | |
|----------------------|----------------------|
| HbA1c Control Kit | Two Level Control |
| HbA1c Calibrator Kit | Two Level Calibrator |



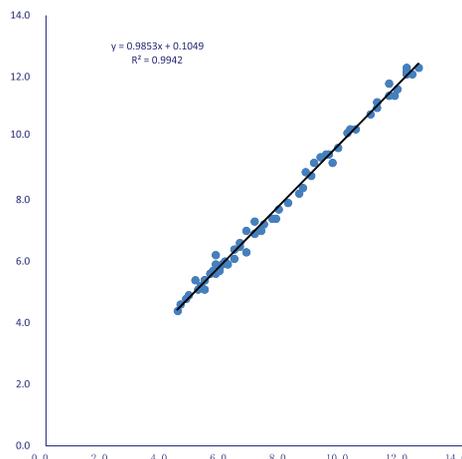
- Very Smart
- One Step Starting
- LIS system
- Low reagents level alarming



- Magic Design
- Samples Autoloading
- Barcode Scanning



Fully Automated HbA1c Analyzer

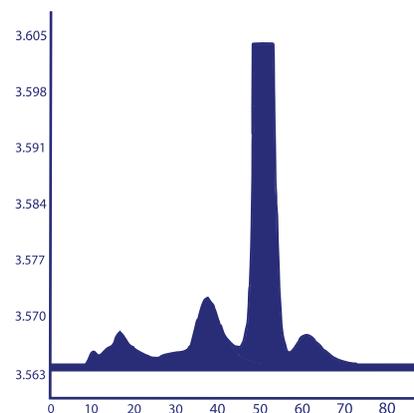


Correlation between Thor-20 and BioRAD-D10

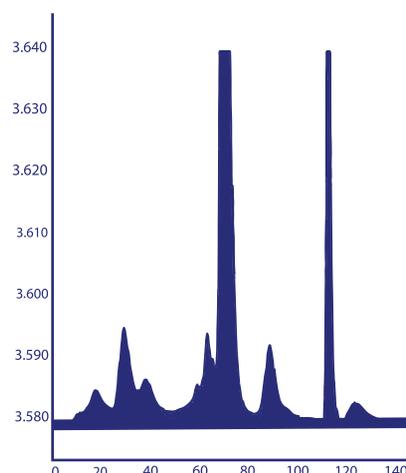
HPLC — Gold Standard Methodology

- Fast: 90 seconds/test
- CV < 2%
- IFCC and NGSP certification

| Thor-20 | | | |
|--------------------------------------|------|-------------------|------|
| Detection time : 2022-05-12 00:12:35 | | | |
| Sample type: Whole blood | | | |
| Sample number: 0006 | | | |
| Sample Barcode: | | | |
| HbA1c : | 39.9 | mmoI / moI (IFCC) | |
| HbA1c : | 5.8 | % (NGSP) | |
| HbF : | 0.3 | % (NGSP) | |
| HbA1 : | 8.2 | % (NGSP) | |
| eAG : | 4.6 | mmoI / L | |
| | Time | Area | % |
| HbA1a | 10.2 | 0.0 | 0.3 |
| HbA1b | 16.5 | 0.3 | 2.1 |
| HbF | 31.5 | 0.0 | 0.3 |
| La1c | 32.5 | 0.1 | 0.3 |
| Sa1c | 37.5 | 0.7 | 5.8 |
| HbA0 | 49.8 | 13.2 | 89.2 |
| Total Area | | 14.6 | |



| Thor-20 | | | |
|--------------------------------------|------|-------------------|------|
| Detection time : 2022-05-25 00:38:13 | | | |
| Sample type : Whole blood | | | |
| Sample number : 0006 | | | |
| Sample Barcode: | | | |
| HbA1c : | 24.6 | mmoI / moI (IFCC) | |
| HbA1c : | 4.4 | % (NGSP) | |
| HbF : | 5.9 | % (NGSP) | |
| HbA1 : | 6.9 | % (NGSP) | |
| P3 : | 4.0 | % (NGSP) | |
| A2 : | 4.0 | % (NGSP) | |
| HbS : | 13.2 | % (NGSP) | |
| eAG : | 2.6 | % (NGSP) | |
| | Time | Area | % |
| HbA1a | 14.5 | 0.1 | 0.9 |
| HbA1b | 17.5 | 0.2 | 1.6 |
| Hbf | 29.1 | 0.8 | 5.9 |
| La1c | 31.6 | 0.1 | 0.9 |
| SA1C | 38.0 | 0.5 | 4.4 |
| HbA0 | 69.8 | 9.3 | 60.2 |
| P3 | 63.3 | 0.6 | 4.0 |
| A2 | 88.8 | 0.6 | 4.0 |
| HbS | 88.8 | 2.0 | 13.2 |
| Total Area | | 15.2 | |



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