VERCENTRA MQ-2000DX

Reliable Accurate Easy-Operation

SPESIFIKASI PRODUK

• Prinsip	Ion-exchange High Performance Liquid Chromatography (HPLC)
• Hasil	HbA1c / HbF / HbA1b / LA1c / HbA0
• Panjang Gelombang Pembacaan	415 nm
• Throughput	22 Tes / Jam
• Sample Handler	Diluted and Whole Blood Sample Auto-switching Sample Barcode Auto-reading Cap Piercing Auto-mixing
• Kecepatan Uji	<160 detik / tes
• Volume Penggunaan Sampel	1,5mL (Darah terdilusi 10µL, EDTA-K2 anticoagulant)
• Kapasitas Tabung Sampel	50 Tabung dalam satu waktu (5 rak)
• Rentang Pembacaan (NGSP)	4,0% - 17,0%
• Presisi	CV≤2%
• Koneksi	Internal Terminal Printer Lis System
• Kapasitas Penyimpanan	20.000 Dengan Grafik
• Deteksi Sisa Reagen	Kalkulasi Software
• Dimensions	610 mm x 500 mm x 410 mm
• Weight	29Kg

DARMA LABORA

VERCENTRA MQ-2000DX

Automatic HbA1c Analyzer (HPLC)

Accurate | Easy-operation | Reliable

Didistribusikan oleh:
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DARMA LABORA

ecatalogue
virtuedx.co.id/e/vercentra-mq-2000dx

DARMA LABORA

Pengoperasian yang Mudah untuk Efisiensi Tinggi

Identifikasi Otomatis dari Tabung Sampel

- Whole blood: 1,5mL
- Mode Dilusi : 5µL
- Mampu memproses 50 sampel dalam satu waktu serta mampu *continuos-loading*

Pembacaan Barcode dan Pemrosesan Otomatis

- Scan otomatis barcode pada tabung sampel
- Penusukan otomatis pada tutup tabung sampel

Pencampuran Otomatis

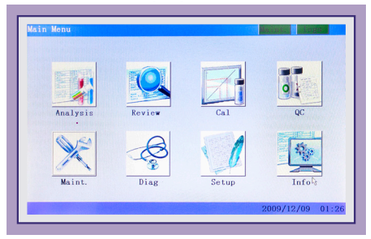
- Otomatisasi pemrosesan sampel
- Mencegah penggumpalan sampel

Automatic Loading System

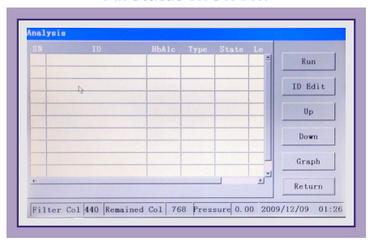
HPLC Column

Automatic Barcode Reader

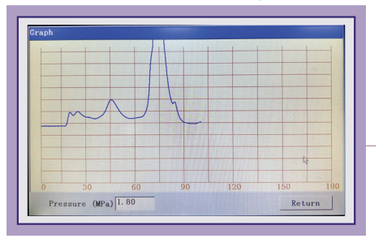
Easy Operation



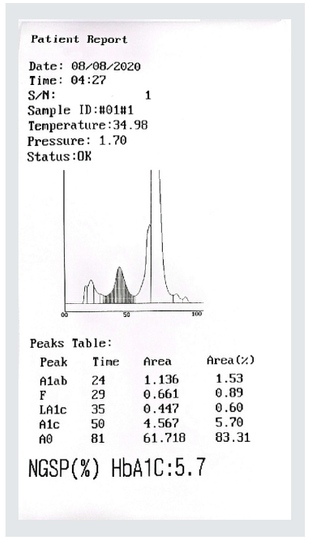
All Status on Screen



Realtime Result Graph



Report Auto-printing



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Patient Report

Date: 08/08/2020
Time: 04:27
S/N:              1
Sample ID:#01#1
Temperature:34.98
Pressure: 1.70
Status:OK
```



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Peaks Table:
 Peak   Time   Area      Area(%)
 A1ab   24     1.136     1.53
 F      29     0.661     0.89
 LA1c   35     0.447     0.60
 A1c    50     4.567     5.70
 A0     81     61.718    83.31

NGSP(%) HbA1C:5.7
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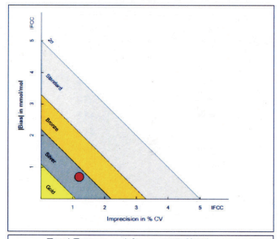
Standar Tinggi untuk Hasil yang Berkualitas

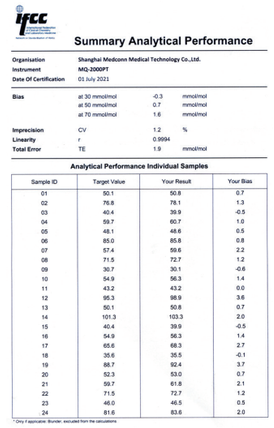
Standar Global

- High Performance Liquid Chromatography (HPLC) menjadi pertimbangan sebagai 'Golden Standard' untuk mendeteksi HbA1C
- Menggunakan Callibrator yang tersertifikasi IFCC
- Pemantauan hasil oleh NGSP dan IFCC



Total Error =	1.9	mmol/mol
Bias =	+0.7	mmol/mol
Imprecision =	1.2	%
Grade =	Silver	

Criteria derived from the IFCC model for Quality Targets HbA1c (Clin Chem 2015;61: 752-59)



Summary Analytical Performance

Organisation	Shanghai Medconn Medical Technology Co.,Ltd.		
Instrument	MQ-2000PT		
Date Of Certification	01 July 2021		
Bias	at 30 mmol/mol	-0.3	mmol/mol
	at 50 mmol/mol	0.7	mmol/mol
	at 70 mmol/mol	1.6	mmol/mol
Imprecision	CV	1.2	%
Linearity	r	0.9994	
Total Error	TE	1.9	mmol/mol

Analytical Performance Individual Samples

Sample ID	Target Value	Your Result	Your Bias
01	50.1	50.8	0.7
02	76.8	78.1	1.3
03	40.4	39.9	-0.5
04	59.7	60.7	1.0
05	48.1	48.6	0.5
06	85.0	85.8	0.8
07	57.4	59.6	2.2
08	71.5	72.7	1.2
09	30.7	30.1	-0.6
10	54.9	56.3	1.4
11	43.2	43.2	0.0
12	95.3	98.9	3.6
13	50.1	50.8	0.7
14	101.3	103.3	2.0
15	40.4	39.9	-0.5
16	54.9	56.3	1.4
17	65.6	68.3	2.7
18	35.6	35.5	-0.1
19	88.7	92.4	3.7
20	52.3	53.0	0.7
21	59.7	61.8	2.1
22	71.5	72.7	1.2
23	46.0	46.5	0.5
24	81.6	83.6	2.0

* Only if specimen Blunder, excluded from the calculations

Teknologi Mutakhir

- Pompa penggerak bertekanan tinggi (*Micro-pump*) memastikan pergerakan cairan yang konstan untuk hasil dengan presisi yang tinggi
- Detektor 24 bits AD tinggi presisi mampu mendeteksi absorbansi sampel dengan resolusi dan akurasi yang tinggi

Consumables

- Calibrator (2 level): 1 tes/kit
- Control (2 levels): 0,5 mL/kit
- Penyimpanan: 24 bulan pada suhu 2 - 8°C

Paket Tambahan

- Column
- Filter
- 400 test x Reagen kit:
  Stabilitas reagen setelah dibuka selama 4 bulan pada suhu 4 - 30°C
  Stabilitas reagen sebelum dibuka selama 24 bulan pada suhu 4 - 30°C

NGSP

ifcc International Federation of Clinical Chemistry and Laboratory Medicine