

Human

Laboratory name
CITY LAB

Diagnostics Worldwide

HS200

Calibration Report

GLUCOSE

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 347.15173

Blank correction yes

Blank Date: 8/9/2023
8:53 AM

Blank OD1: 0.0377

Blank OD2: 0.0000

Blank Validity: 15 hours

Standards

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

Last calibration

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	285	285	0.8274	6/5/2023 12:58:24 PM
2	Autocal	285	285	0.8162	6/5/2023 12:59:07 PM
3	Autocal	285	285	0.8193	6/5/2023 12:59:26 PM

Curve chart:

Human

Diagnostics Worldwide

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HS200

Calibration Report

CHOLESTEROL

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 781.0219

Blank correction YES:

Blank Date: 8/9/2023
7:38 AM

Blank OD1: 0.0349

Blank OD2: 0.0000

Blank Validity: 15 hours

Standards

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

Last calibration

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	107	107	0.1375	6/5/2023 12:56:11 PM
2	Autocal	107	107	0.1363	6/5/2023 12:57:45 PM
3	Autocal	107	107	0.1372	6/5/2023 12:58:00 PM

Curve chart:



Human

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Calibration Report

HDL

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 733.85519

Blank correction: Yes

Blank Date: 8/9/2023
7:24 AM

Blank OD1: 0.0078

Blank OD2: 0.0000

Blank Validity: 15 hours

Standards

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

Last calibration

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	25	25	0.0343	8/4/2023 10:26:47 AM
2	Autocal	25	25	0.0325	8/4/2023 10:27:07 AM
3	Autocal	25	25	0.0354	8/4/2023 10:27:23 AM

Curve chart:



Human

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Calibration Report

TRIGLYCERIDE

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 1419.92295

Blank correction: YES

Blank Date: 8/9/2023
7:24 AM

Blank OD1: 0.0216

Blank OD2: 0.0000

Blank Validity: 15 hours

Standards

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

Last calibration

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	86	86	0.0619	8/7/2023 9:26:08 AM
2	Autocal	86	86	0.0594	8/7/2023 9:26:25 AM
3	Autocal	86	86	0.0604	8/7/2023 9:38:11 AM

Curve chart:



Human

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Calibration Report

BILIRUBIN TOTAL

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 14.02418

Blank correction YES:

Blank Date: 8/9/2023
8:11 AM

Blank OD1: 0.0140

Blank OD2: 0.0000

Blank Validity: 15 hours

Standards

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

Last calibration

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	4.06	4.06	0.2946	8/2/2023 1:30:30 PM
2	Autocal	4.06	4.06	0.2915	8/2/2023 1:47:55 PM
3	Autocal	4.06	4.06	0.2824	8/2/2023 1:48:13 PM

Curve chart:



BILIRUBIN DIRECT

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 15.65465

Blank correction YES

Blank Date: 8/9/2023
8:11 AM

Blank OD1: 0.0147

Blank OD2: 0.0000

Blank Validity: 15 hours

Standards

Last calibration

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	1.65	1.65	0.1058	8/4/2023 9:59:23 AM
2	Autocal	1.65	1.65	0.1061	8/4/2023 9:59:30 AM
3	Autocal	1.65	1.65	0.1043	8/4/2023 9:59:49 AM

Curve chart:

Human

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Calibration Report

ALKALINE PHOSPHATASE

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 2902.82903

Blank correction YES:

Blank Date: 8/9/2023
8:10 AM

Blank OD1: 0.0031

Blank OD2: 0.3195

Blank Validity: 15 hours

Standards

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

Last calibration

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	472	472	0.1635	8/4/2023 9:58:19 AM
2	Autocal	472	472	0.1634	8/4/2023 9:58:37 AM
3	Autocal	472	472	0.1609	8/4/2023 9:59:06 AM

Curve chart:



Human

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SGOT

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: -3423.37376

Blank correction yes

Blank Date: 8/9/2023
8:11 AM

Blank OD1: 0.0006

Blank OD2: 1.5229

Blank Validity: 15 hours

Standards

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

Last calibration

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	207	207	-0.0612	8/4/2023 10:00:16 AM
2	Autocal	207	207	-0.0594	8/4/2023 10:01:00 AM
3	Autocal	207	207	-0.0608	8/4/2023 10:03:41 AM

Curve chart:



Human

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Laboratory name
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HS200

Calibration Report

SGPT

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: -3355.7047

Blank correction: Yes

Blank Date: 8/9/2023
8:12 AM

Blank OD1: 0.0008

Blank OD2: 1.4657

Blank Validity: 15 hours

Standards

Last calibration

	Calibrator	Dilution rate		Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	1	1	Autocal	100	100	-0.0295	8/4/2023 10:04:03 AM
2	Autocal	1	2	Autocal	100	100	-0.0297	8/4/2023 10:04:43 AM
3	Autocal	1	3	Autocal	100	100	-0.0302	8/4/2023 10:05:02 AM

Curve chart:



Human

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Laboratory name
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HS200

Calibration Report

TOTAL PROTEINS

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 27.44853

Blank correction: YES

Blank Date: 8/9/2023
8:12 AM

Blank OD1: 0.1837

Blank OD2: 0.0000

Blank Validity: 12 hours

Standards

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

Last calibration

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	4.4	4.4	0.1597	6/5/2023 1:05:22 PM
2	Autocal	4.4	4.4	0.1592	6/5/2023 1:05:40 PM
3	Autocal	4.4	4.4	0.1620	6/5/2023 1:05:58 PM

Curve chart:



Human

Diagnostics Worldwide

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HS200

Calibration Report

ALBUMIN

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 4.39606

Blank correction: YES

Blank Date: 8/9/2023
8:10 AM

Blank OD1: 0.1478

Blank OD2: 0.0000

Blank Validity: 15 hours

Standards

	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

Last calibration

	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	2.8	2.8	0.6550	6/5/2023 12:50:19 PM
2	Autocal	2.8	2.8	0.6152	6/5/2023 12:50:35 PM
3	Autocal	2.8	2.8	0.6406	6/5/2023 12:51:23 PM

Curve chart:



Human

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HS200

Calibration Report

UREA

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: -569.18529

Blank correction: YES

Blank Date: 8/9/2023
8:09 AM

Blank OD1: -0.0015

Blank OD2: 1.7989

Blank Validity: 15 hours

Standards

Last calibration

Calibrator	Dilution rate	Lot	Primary Conc.	Final Conc.	Od Value	Date
1 Autocal	1	1 Autocal	102.7	102.7	-0.1800	8/9/2023 8:57:07 AM
2 Autocal	1	2 Autocal	102.7	102.7	-0.1819	8/9/2023 8:58:00 AM
3 Autocal	1	3 Autocal	102.7	102.7	-0.1794	8/9/2023 8:58:17 AM

Curve chart:



Human

Diagnostics Worldwide

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HS200

Calibration Report

URIC ACID

Standard number: 3

Single calibrator: No

Validity: 12000 hours

Average

Interpolation type:

Factor: 62.9278

Blank correction: YES

Blank Date: 8/9/2023
8:10 AM

Blank OD1: 0.0325

Blank OD2: 0.0000

Blank Validity: 15 hours

Standards

Last calibration

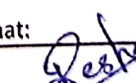
	Calibrator	Dilution rate
1	Autocal	1
2	Autocal	1
3	Autocal	1

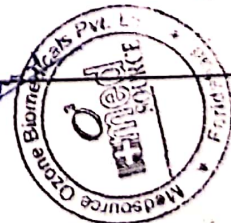
	Lot	Primary Conc.	Final Conc.	Od Value	Date
1	Autocal	9.5	9.5	0.2035	6/12/2023 9:37:03 AM
2	Autocal	9.5	9.5	0.1249	6/12/2023 9:37:14 AM
3	Autocal	9.5	9.5	0.1245	6/12/2023 9:37:35 AM

Curve chart:



Calibration Certificate

Product Name	Auto analyzer	Model	Humastar 200	
Tested Date	13.04.2023	SN	21160025002	
No.	Item	Standard and Demand	Obtained	Conclusion
1	Basic Function	Effective	Effective	QC pass
2	Program Editing	Effective	Effective	QC pass
3	Program Save	Effective	Effective	QC pass
4	All wavelength readings	4000-6000 mVolt	5000-5500 mVolt	QC pass
5	Reaction well temperature	37°C ± 0.3	37.01 °C	QC pass
6	Reagent cooling	10°C lesser than RT	12°C	QC pass
7	Mechanical movemnet of outer plate+inner plate+ sample needle	Value should be in between -1 to +1	Zero for Outer plate,Zero for inner plate and Zero for filter wheel	QC pass
8	Mechanical movemnet of outer plate+filter wheel	Value should be in between -1 to +1	Zero for Outer plate,Zero for inner plate and Zero for filter	QC pass
9	Auto Zero	CV% <0.1000 for all the filters and < 0.2000 for filter 1.	0.050 for all filter.0.09 for 340nm	QC pass
10	Level sensor	Effective	Effective	QC pass
11	Collision sensor	Effective	Effective	QC pass
12	Input power source	210 to 240 V,50Hz	232V,50Hz	QC pass
Testing Result :		QC PASS		
Instrument calibrated as per the factory standard and the perfomed check values are satisfactory.				
Next calibration on: 12.04.2024				
Engineer Name	Sarath MP		Signat:	



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