

CERTIFICATE OF CALIBRATION

Instrument : **Mispa Ace Fully Automated Clinical Chemistry Analyser**
 Customer Name : **Dr Kaushik Path Labs, 1/2284, Main Mandoli Road, Ramnagar, Shahdara**
 S/N : **WK-6B104991T**

Date of Installation : **19/Jan/2017** Alignment Check

Motion Check	Checked	Remark
Sample Probe	<input checked="" type="checkbox"/>	OK
Reagent Probe	<input checked="" type="checkbox"/>	OK
Mixing Bar	<input checked="" type="checkbox"/>	OK
Reaction Disk	<input checked="" type="checkbox"/>	OK
Reagent Disk	<input checked="" type="checkbox"/>	OK
Sample Disk	<input checked="" type="checkbox"/>	OK
Lamp	<input checked="" type="checkbox"/>	OK

System	Checked	Remark
Main unit	<input checked="" type="checkbox"/>	OK
Temp. unit	<input checked="" type="checkbox"/>	OK
Mixing unit	<input checked="" type="checkbox"/>	OK
Reaction unit	<input checked="" type="checkbox"/>	OK
Reagent unit	<input checked="" type="checkbox"/>	OK
Sample unit	<input checked="" type="checkbox"/>	OK

DIAGNOSTICS LTD. ISO 9001:2015 | EN ISO 13485:2016 CERTIFIED COMPANY | CIN : U24239MH1998PLC115413

Kulam, Kerala - 683 562, India.
 agappe.in

EQUIPMENT PLANT
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OPTICAL SECTION

Filter	Dark Current	Background
340	113	33192
405	105	35626
450	95	37634
510	94	38539
546	101	39419
578	96	38851
630	99	40598
670	102	42307
Reference		

Power Supply : 5V 12V 24V

The equipment is calibrated for the different parameters by using Multi Calibrator

Lot.No: 31090275 Exp: 2023-08

This is to certify that the above mentioned product has been calibrated according to the standard operating procedure given by the MINDRAY Medical Systems.

Date of Calibration : **06/July/2022**

Next Due : **05/Jan/2023**

For, Agappe Diagnostic Ltd.



Vijender
Authorized Signatory
Name : Vijender Pratap Singh
Designation : Engineer - Customer Service

AGAPPE DIAGNOSTICS LTD. ISO 9001:2015 | EN ISO 13485:2016 CERTIFIED COMPANY | CIN : U24239MH1998PLC115413

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MISPAce

Incubation HOST 36.9 7/6/2022 10:11:18 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Sample Request

QC Request

Start

Probe Stop

Stop

Results

Replace

Relog

Exit

Daily Maint	Log	Import/Export	Alignment
System Status			
Reaction Temp.	36.92		
Preheat Temp.	44.99	340	113
Waste Tank	Normal	405	105
Deionized Water	Normal	450	95
Printer	Idle	510	94
		546	101
		578	96
		630	99
		670	102
Unit Status			
Main Unit	Idle		
Reaction Unit	Idle		
Sample Unit	Idle		
Reagent Unit	Idle		
Temperature Unit	Idle		
Mixing Unit	Idle		

Dark Current/Background		
	Dark Current	Background
340	113	33192
405	105	35626
450	95	37634
510	94	38539
546	101	39419
578	96	38851
630	99	40598
670	102	42307

Startup Check
Recover
Wash
Enhanced
Dark Current
Reset

Admin ← → ✕ Clear

Standby HOST 7/23/2022 11:52:15 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Real-time
Daily QC
Day to Day QC
QC Sum.
Control

Test Result
 Date:
Control:

Test Statistics

Test	Actual Result	Unit	Request Date	Ref. Range	Comments
CREAT AVT	0.70	mg/dL	7/6/2022 11:00:24 AM	0.3900-1.6700	
HDL avn	53.4	mg/dL	7/6/2022 11:00:24 AM	29.700-67.700	
TGL	87.78	mg/dL	7/6/2022 11:00:24 AM	64.8000-136.8000	
ALP	110.78	U/L	7/6/2022 11:00:24 AM	72.0000-164.0000	
CALCIUM	7.37	mg/dL	7/6/2022 11:00:24 AM	6.3600-10.0400	
T.PROTEIN	6.38	g/dL	7/6/2022 11:00:24 AM	4.6600-8.4600	
URIC ACID	5.74	mg/dL	7/6/2022 11:00:24 AM	3.3000-6.9000	
Bil TOTAL	1.05	mg/dL	7/6/2022 11:00:24 AM	0.2600-1.4600	
Bil.DIRECT	0.31	mg/dL	7/6/2022 11:00:24 AM	-0.0900-0.3500	
ALBUMIN	4.05	g/dL	7/6/2022 11:00:24 AM	3.2200-6.7800	
UREA UV	28.63	mg/dL	7/6/2022 11:00:24 AM	11.9600-43.1600	
CHOST	162.85	mg/dL	7/6/2022 11:00:24 AM	114.0000-206.0000	
GLUCOSE	74.35	mg/dL	7/6/2022 11:00:24 AM	57.6200-107.6200	
SGOT AG	35.07	U/L	7/6/2022 11:00:24 AM	21.9000-49.9000	
SGPT AG	44.68	U/L	7/6/2022 11:00:24 AM	29.8000-67.0000	

Admin

Standby HOST 37.0 7/23/2022 11:47:39 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Real-time
Daily QC
Day to Day QC
QC Sum.
Control

Test Result
 Date: 7/16/2022
Control: NORM CONTROL
Export Data

Test Statistics
 7/16/2022

Test	Actual Result	Unit	Request Date	Ref. Range	Comments
CREAT AVT	0.83	mg/dL	7/16/2022 10:25:48 ...	0.3900-1.6700	
HDL avn	52.9	mg/dL	7/16/2022 10:25:48 ...	29.700-67.700	
TGL	87.97	mg/dL	7/16/2022 10:25:48 ...	64.8000-136.8000	
ALP	113.16	U/L	7/16/2022 10:25:48 ...	72.0000-164.0000	
CALCIUM	7.20	mg/dL	7/16/2022 10:25:48 ...	6.3600-10.0400	
T.PROTEIN	6.40	g/dL	7/16/2022 10:25:48 ...	4.6600-8.4600	
URIC ACID	5.75	mg/dL	7/16/2022 10:25:48 ...	3.3000-6.9000	
Bil TOTAL	0.68	mg/dL	7/16/2022 10:25:48 ...	0.2600-1.4600	
Bil.DIRECT	0.32	mg/dL	7/16/2022 10:25:48 ...	-0.0900-0.3500	
ALBUMIN	4.03	g/dL	7/16/2022 10:25:48 ...	3.2200-6.7800	
UREA UV	28.47	mg/dL	7/16/2022 10:25:48 ...	11.9600-43.1600	
CHOST	162.10	mg/dL	7/16/2022 10:25:48 ...	114.0000-206.0000	
GLUCOSE	74.27	mg/dL	7/16/2022 10:25:48 ...	57.6200-107.6200	
SGOT AG	36.18	U/L	7/16/2022 10:25:48 ...	21.9000-49.9000	
SGPT AG	45.74	U/L	7/16/2022 10:25:48 ...	29.8000-67.0000	

View searched QC test record

Refresh
Print
Delete
Reac. Curve

Admin ◀ ▶ ✕ Clear

Standby HOST 37.0 7/23/2022 11:48:10 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Sample Request
QC Request
Start
Probe Stop
Stop
Results
Replace
Relog
Exit

Real-time
Daily QC
Day to Day QC
QC Sum.
Control

Test Result
 Date: 7/17/2022
Control: NORM CONTROL
Export Data

Test Statistics
 Date: 7/17/2022

Test	Actual Result	Unit	Request Date	Ref. Range	Comments
BIL.DIRECT	0.34	mg/dL	7/17/2022 11:36:44 ...	-0.0900-0.3500	
CREAT AVT	0.96	mg/dL	7/17/2022 10:27:10 ...	0.3900-1.6700	
HDL avn	49.2	mg/dL	7/17/2022 10:27:10 ...	29.700-67.700	
TGL	87.43	mg/dL	7/17/2022 10:27:10 ...	64.8000-136.8000	
ALP	106.31	U/L	7/17/2022 10:27:10 ...	72.0000-164.0000	
CALCIUM	8.09	mg/dL	7/17/2022 10:27:10 ...	6.3600-10.0400	
T.PROTEIN	6.37	g/dL	7/17/2022 10:27:10 ...	4.6600-8.4600	
URIC ACID	5.62	mg/dL	7/17/2022 10:27:10 ...	3.3000-6.9000	
BIL TOTAL	1.06	mg/dL	7/17/2022 10:27:10 ...	0.2600-1.4600	
ALBUMIN	4.05	g/dL	7/17/2022 10:27:10 ...	3.2200-6.7800	
UREA UV	28.42	mg/dL	7/17/2022 10:27:10 ...	11.9600-43.1600	
CHOST	162.78	mg/dL	7/17/2022 10:27:10 ...	114.0000-206.0000	
GLUCOSE	74.14	mg/dL	7/17/2022 10:27:10 ...	57.6200-107.6200	
SGOT AG	36.23	U/L	7/17/2022 10:27:10 ...	21.9000-49.9000	
SGPT AG	44.19	U/L	7/17/2022 10:27:10 ...	29.8000-67.0000	

View searched QC test record

Refresh
Print
Delete
Reac. Curve

Admin
←
→
✕ Clear

Standby HOST 37.0 7/23/2022 11:48:37 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Real-time
Daily QC
Day to Day QC
QC Sum.
Control

Test Result
 Date: 7/18/2022
Control: NORM CONTROL
Export Data

Test Statistics
 7/18/2022

Test	Actual Result	Unit	Request Date	Ref. Range	Comments
CREAT AVT	0.96	mg/dL	7/18/2022 10:32:21 ...	0.3900-1.6700	
HDL avn	54.3	mg/dL	7/18/2022 10:32:21 ...	29.700-67.700	
TGL	89.81	mg/dL	7/18/2022 10:32:21 ...	64.8000-136.8000	
ALP	117.54	U/L	7/18/2022 10:32:21 ...	72.0000-164.0000	
CALCIUM	8.93	mg/dL	7/18/2022 10:32:21 ...	6.3600-10.0400	
T.PROTEIN	6.50	g/dL	7/18/2022 10:32:21 ...	4.6600-8.4600	
URIC ACID	5.35	mg/dL	7/18/2022 10:32:21 ...	3.3000-6.9000	
BIL TOTAL	0.95	mg/dL	7/18/2022 10:32:21 ...	0.2600-1.4600	
BIL.DIRECT	0.33	mg/dL	7/18/2022 10:32:21 ...	-0.0900-0.3500	
ALBUMIN	4.10	g/dL	7/18/2022 10:32:21 ...	3.2200-6.7800	
UREA UV	28.18	mg/dL	7/18/2022 10:32:21 ...	11.9600-43.1600	
CHOST	164.89	mg/dL	7/18/2022 10:32:21 ...	114.0000-206.0000	
GLUCOSE	75.78	mg/dL	7/18/2022 10:32:21 ...	57.6200-107.6200	
SGOT AG	31.164.89	U/L	7/18/2022 10:32:21 ...	21.9000-49.9000	
SGPT AG	46.69	U/L	7/18/2022 10:32:21 ...	29.8000-67.0000	

View searched QC test record

Refresh
Print
Delete
Reac. Curve

Admin ← → ✕ Clear

Standby HOST 7/23/2022 11:49:32 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Real-time
Daily QC
Day to Day QC
QC Sum.
Control

Test Result
 Date:
Control:

Test Statistics

Test	Actual Result	Unit	Request Date	Ref. Range	Comments
CREAT AVT	1.06	mg/dL	7/19/2022 11:09:26 ...	0.3900-1.6700	
HDL avn	54.3	mg/dL	7/19/2022 11:09:26 ...	29.700-67.700	
TGL	90.74	mg/dL	7/19/2022 11:09:26 ...	64.8000-136.8000	
ALP	117.68	U/L	7/19/2022 11:09:26 ...	72.0000-164.0000	
CALCIUM	8.81	mg/dL	7/19/2022 11:09:26 ...	6.3600-10.0400	
T.PROTEIN	6.52	g/dL	7/19/2022 11:09:26 ...	4.6600-8.4600	
URIC ACID	5.35	mg/dL	7/19/2022 11:09:26 ...	3.3000-6.9000	
Bil TOTAL	0.95	mg/dL	7/19/2022 11:09:26 ...	0.2600-1.4600	
Bil.DIRECT	0.31	mg/dL	7/19/2022 11:09:26 ...	-0.0900-0.3500	
ALBUMIN	4.10	g/dL	7/19/2022 11:09:26 ...	3.2200-6.7800	
UREA UV	28.24	mg/dL	7/19/2022 11:09:26 ...	11.9600-43.1600	
CHOST	164.77	mg/dL	7/19/2022 11:09:26 ...	114.0000-206.0000	
GLUCOSE	76.86	mg/dL	7/19/2022 11:09:26 ...	57.6200-107.6200	
SGOT AG	36.13	U/L	7/19/2022 11:09:26 ...	21.9000-49.9000	
SGPT AG	48.81	U/L	7/19/2022 11:09:26 ...	29.8000-67.0000	

View searched QC test record

Admin

Standby HOST 37.0 7/23/2022 11:50:17 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Sample Request
QC Request
Start
Probe Stop
Stop
Results
Replace
Relog
Exit

Real-time
Daily QC
Day to Day QC
QC Sum.
Control

Test Result
 Date: 7/20/2022
Control: NORM CONTROL
Export Data

Test Statistics
 Date: 7/20/2022

Test	Actual Result	Unit	Request Date	Ref. Range	Comments
CREAT AVT	1.06	mg/dL	7/19/2022 11:09:26 ...	0.3900-1.6700	
HDL avn	54.3	mg/dL	7/19/2022 11:09:26 ...	29.700-67.700	
TGL	90.74	mg/dL	7/19/2022 11:09:26 ...	64.0000-136.0000	
ALP	117.68	U/L	7/19/2022 11:09:26 ...	72.0000-164.0000	
CALCIUM	8.81	mg/dL	7/19/2022 11:09:26 ...	6.3600-10.0400	
T.PROTEIN	6.52	g/dL	7/19/2022 11:09:26 ...	4.6600-8.4600	
URIC ACID	5.35	mg/dL	7/19/2022 11:09:26 ...	3.3000-6.9000	
Bil TOTAL	0.95	mg/dL	7/19/2022 11:09:26 ...	0.2600-1.4600	
Bil.DIRECT	0.31	mg/dL	7/19/2022 11:09:26 ...	-0.0900-0.3500	
ALBUMIN	4.10	g/dL	7/19/2022 11:09:26 ...	3.2200-6.7800	
UREA UV	28.24	mg/dL	7/19/2022 11:09:26 ...	11.9600-43.1600	
CHOST	164.77	mg/dL	7/19/2022 11:09:26 ...	114.0000-206.0000	
GLUCOSE	76.86	mg/dL	7/19/2022 11:09:26 ...	57.6200-107.6200	
SGOT AG	36.13	U/L	7/19/2022 11:09:26 ...	21.9000-49.9000	
SGPT AG	48.81	U/L	7/19/2022 11:09:26 ...	29.8000-67.0000	

View searched QC test record

Refresh
Print
Delete
Reac. Curve

Admin ← → ✕ Clear

Standby HOST 37.0 7/23/2022 11:50:34 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Sample Request
QC Request
Start
Probe Stop
Stop
Results
Replace
Relog
Exit

Real-time
Daily QC
Day to Day QC
QC Sum.
Control

Test Result
 Date: 7/21/2022
Control: NORM CONTROL
Export Data

Test Statistics
 Date: 7/21/2022

Test	Actual Result	Unit	Request Date	Ref. Range	Comments
CALCIUM	8.99	mg/dL	7/21/2022 9:55:47 AM	6.3600-10.0400	
CREAT AVT	1.13	mg/dL	7/21/2022 9:33:29 AM	0.3900-1.6700	
HDL avn	54.6	mg/dL	7/21/2022 9:33:29 AM	29.700-67.700	
TGL	91.46	mg/dL	7/21/2022 9:33:29 AM	64.8000-136.8000	
ALP	117.49	U/L	7/21/2022 9:33:29 AM	72.0000-164.0000	
T.PROTEIN	6.51	g/dL	7/21/2022 9:33:29 AM	4.6600-8.4600	
URIC ACID	5.34	mg/dL	7/21/2022 9:33:29 AM	3.3000-6.9000	
Bil TOTAL	0.97	mg/dL	7/21/2022 9:33:29 AM	0.2600-1.4600	
Bil.DIRECT	0.33	mg/dL	7/21/2022 9:33:29 AM	-0.0900-0.3500	
ALBUMIN	4.03	g/dL	7/21/2022 9:33:29 AM	3.2200-6.7800	
UREA UV	29.00	mg/dL	7/21/2022 9:33:29 AM	11.9600-43.1600	
CHOST	165.35	mg/dL	7/21/2022 9:33:29 AM	114.0000-206.0000	
GLUCOSE	77.19	mg/dL	7/21/2022 9:33:29 AM	57.6200-107.6200	
SGOT AG	36.93	U/L	7/21/2022 9:33:29 AM	21.9000-49.9000	
SGPT AG	49.15	U/L	7/21/2022 9:33:29 AM	29.8000-67.0000	

View searched QC test record

Refresh
Print
Delete
Reac. Curve

Admin
←
→
✖ Clear

Standby HOST 37.0 7/23/2022 11:50:53 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Real-time
Daily QC
Day to Day QC
QC Sum.
Control

Test Result
 Date: 7/22/2022
Control: NORM CONTROL
Export Data

Test Statistics
 7/22/2022

Test	Actual Result	Unit	Request Date	Ref. Range	Comments
CREAT AVT	0.98	mg/dL	7/22/2022 9:04:54 PM	0.3900-1.6700	
HDL avn	55.1	mg/dL	7/22/2022 9:04:54 PM	29.700-67.700	
TGL	88.02	mg/dL	7/22/2022 9:04:54 PM	64.8000-136.8000	
CALCIUM	9.46	mg/dL	7/22/2022 9:04:54 PM	6.3600-10.0400	
T.PROTEIN	6.30	g/dL	7/22/2022 9:04:54 PM	4.6600-8.4600	
URIC ACID	4.69	mg/dL	7/22/2022 9:04:54 PM	3.3000-6.9000	
Bil TOTAL	0.97	mg/dL	7/22/2022 9:04:54 PM	0.2600-1.4600	
Bil.DIRECT	0.32	mg/dL	7/22/2022 9:04:54 PM	-0.0900-0.3500	
ALBUMIN	4.03	g/dL	7/22/2022 9:04:54 PM	3.2200-6.7800	
UREA UV	29.07	mg/dL	7/22/2022 9:04:54 PM	11.9600-43.1600	
CHOST	159.52	mg/dL	7/22/2022 9:04:54 PM	114.0000-206.0000	
GLUCOSE	74.09	mg/dL	7/22/2022 9:04:54 PM	57.6200-107.6200	
SGOT AG	34.74	U/L	7/22/2022 9:04:54 PM	21.9000-49.9000	
SGPT AG	45.82	U/L	7/22/2022 9:04:54 PM	29.8000-67.0000	
ALP	112.91	U/L	7/22/2022 10:57:17 ...	72.0000-164.0000	

View searched QC test record

Refresh
Print
Delete
Reac. Curve

Admin Clear

Standby HOST 7/23/2022 11:51:31 AM ? V

Reagent
Calibration
QC
Status
Statistics
Parameters
Setup
Maintenance

Real-time
Daily QC
Day to Day QC
QC Sum.
Control

Test Result
 Date:
Control:

Test Statistics

Test	Actual Result	Unit	Request Date	Ref. Range	Comments
CREAT AVT	0.98	mg/dL	7/22/2022 9:04:54 PM	0.3900-1.6700	
HDL avn	55.1	mg/dL	7/22/2022 9:04:54 PM	29.700-67.700	
TGL	88.02	mg/dL	7/22/2022 9:04:54 PM	64.8000-136.8000	
CALCIUM	9.46	mg/dL	7/22/2022 9:04:54 PM	6.3600-10.0400	
T.PROTEIN	6.30	g/dL	7/22/2022 9:04:54 PM	4.6600-8.4600	
URIC ACID	4.69	mg/dL	7/22/2022 9:04:54 PM	3.3000-6.9000	
Bil TOTAL	0.97	mg/dL	7/22/2022 9:04:54 PM	0.2600-1.4600	
Bil.DIRECT	0.32	mg/dL	7/22/2022 9:04:54 PM	-0.0900-0.3500	
ALBUMIN	4.03	g/dL	7/22/2022 9:04:54 PM	3.2200-6.7800	
UREA UV	29.07	mg/dL	7/22/2022 9:04:54 PM	11.9600-43.1600	
CHOST	159.52	mg/dL	7/22/2022 9:04:54 PM	114.0000-206.0000	
GLUCOSE	74.09	mg/dL	7/22/2022 9:04:54 PM	57.6200-107.6200	
SGOT AG	34.74	U/L	7/22/2022 9:04:54 PM	21.9000-49.9000	
SGPT AG	45.82	U/L	7/22/2022 9:04:54 PM	29.8000-67.0000	
ALP	112.91	U/L	7/22/2022 10:57:17 ...	72.0000-164.0000	

Admin