

Tulip Diagnostics (P) Ltd.



Instrument Calibration Report

Instrument Model: BT1500

Date: 23/07/2021

Serial No: 47194736

MAINTENANCE PROGRAM	<input checked="" type="checkbox"/>
CALIBRATION	<input checked="" type="checkbox"/>

Meter used for calibration: 108B+20040396

General Inspection	OK	NO	Remark
Check for proper function of printer, display, keyboard and mouse	✓		
Check the proper function of fan	✓		
Check photometric lamp	✓		
Check Clinical Chemistry tubings	✓		
Check Clinical Chemistry washing pump cartridge	✓		
Arm sampling needle	✓		
Washing needle funnel efficiency	✓		

TEST	OK	NO	Remark
Verify the nonimate voltage of photometric lamp to 11.88 ÷ 12.12V	✓		
Verify cuvette temperature (37° C)	✓		
Verify cuvette temperature through monitor (37° C)	✓		
Verify the pressure of empty pump through monitor (1.0 ÷ 1.8 Bar)	✓		
Verify the proper working of the serum LED	✓		
Verify left arm vacutainer sensitivity	✓		
Verify the function of sensor inside water tank	✓		
Verify temperature adjustment to reagent plate (8 °C)	✓		
Verify the proper working of clinical chemistry arm head heater(*)	✓		
Verify function of serum scanner bar-code	✓		
Verify function of reagent scanner bar-code	✓		
Check all mechanical calibrations	✓		
Verify photometric gain	✓		

Jey Jey



TEST	OK	NO	Remark
Verify photometric offset	✓		
Replace lamp if necessary	✓		
Check optical transmission	✓		
Clean cuvettes	✓		
Calculate FCC(if necessary)	✓		
Check photometric stability (min. 32 samples)	✓		
Check reproducibility (min. 32 samples with known concentration of bichromatic)	✓		

DATE: 23/07/2021

DATE FOR THE NEXT PREVENTIVE MAINTENANCE / CALIBRATION DATE:: 23/07/2022

SIGNATURE: Jey Sas.



#1 ALBUMIN 3.52 (7/23/2021 17:38)						
ALB1	<BCG>	3.54	g/dl (	0.219)	3.70 - 5.30	[-]
#2 ALBUMIN 3.71 (7/23/2021 17:38)						
ALB1	<BCG>	3.75	g/dl (	0.232)	3.70 - 5.30	[]
#3 ALBUMIN 3.43 (7/23/2021 17:38)						
ALB1	<BCG>	3.57	g/dl (	0.220)	3.70 - 5.30	[-]
#4 ALBUMIN 3.68 (7/23/2021 17:40)						
ALB1	<BCG>	3.80	g/dl (	0.235)	3.70 - 5.30	[]
#5 ALBUMIN 3.14 (7/23/2021 17:40)						
ALB1	<BCG>	3.16	g/dl (	0.195)	3.70 - 5.30	[-]
#6 ALBUMIN 3.22 (7/23/2021 17:40)						
ALB1	<BCG>	3.74	g/dl (	0.232)	3.70 - 5.30	[]
#7 ALBUMIN 3.21 (7/23/2021 17:40)						
ALB1	<BCG>	3.22	g/dl (	0.199)	3.70 - 5.30	[-]
#8 ALBUMIN 3.73 (7/23/2021 17:41)						
ALB1	<BCG>	3.81	g/dl (	0.236)	3.70 - 5.30	[]
#9 ALBUMIN 3.45 (7/23/2021 17:41)						
ALB1	<BCG>	3.52	g/dl (	0.217)	3.70 - 5.30	[-]
#10 ALBUMIN 3.57 (7/23/2021 17:41)						
ALB1	<BCG>	3.73	g/dl (	0.231)	3.70 - 5.30	[]

#1 CHOLESTEROL 160 (7/23/2021 12:39)						
CHOL	<CHOD/PAP>	169	mg/dl (	0.243)	0.000 - 260	[]
#3 CHOLESTEROL 181 (7/23/2021 12:40)						
CHOL	<CHOD/PAP>	181	mg/dl (	0.260)	0.000 - 260	[]
#2 CHOLESTEROL 166 (7/23/2021 12:41)						
CHOL	<CHOD/PAP>	163	mg/dl (	0.234)	0.000 - 260	[]
#4 CHOLESTEROL 126 (7/23/2021 12:41)						
CHOL	<CHOD/PAP>	132	mg/dl (	0.190)	0.000 - 260	[]
#5 CHOLESTEROL 125 (7/23/2021 12:41)						
CHOL	<CHOD/PAP>	118	mg/dl (	0.170)	0.000 - 260	[]
#6 CHOLESTEROL 128 (7/23/2021 12:42)						
CHOL	<CHOD/PAP>	128	mg/dl (	0.185)	0.000 - 260	[]
#7 CHOLESTEROL 130 (7/23/2021 12:42)						
CHOL	<CHOD/PAP>	134	mg/dl (	0.193)	0.000 - 260	[]
#8 CHOLESTEROL 195 (7/23/2021 12:43)						
CHOL	<CHOD/PAP>	197	mg/dl (	0.283)	0.000 - 260	[]
#9 CHOLESTEROL 251 (7/23/2021 12:43)						
CHOL	<CHOD/PAP>	250	mg/dl (	0.360)	0.000 - 260	[]
#10 CHOLESTEROL 245 (7/23/2021 12:44)						
CHOL	<CHOD/PAP>	244	mg/dl (	0.351)	0.000 - 260	[]



Print



Exit

#1 CREATININE 3.79 (7/23/2021 16:53)							
CRE1	<mod. Jaffe's Kinetic>	3.84	mg/dl (	0.077)	0.600 - 1.20	[+]	
#2 CREATININE 4.57 (7/23/2021 16:53)							
CRE1	<mod. Jaffe's Kinetic>	4.76	mg/dl (	0.096)	0.600 - 1.20	[+]	
#3 CREATININE 2.29 (7/23/2021 16:54)							
CRE1	<mod. Jaffe's Kinetic>	2.36	mg/dl (	0.048)	0.600 - 1.20	[+]	
#4 CREATININE 5.41 (7/23/2021 16:54)							
CRE1	<mod. Jaffe's Kinetic>	5.48	mg/dl (	0.110)	0.600 - 1.20	[+]	
#5 CREATININE 1.24 (7/23/2021 16:54)							
CRE1	<mod. Jaffe's Kinetic>	1.16	mg/dl (	0.023)	0.600 - 1.20	[]	
#6 CREATININE 3.61 (7/23/2021 16:55)							
CRE1	<mod. Jaffe's Kinetic>	3.59	mg/dl (	0.072)	0.600 - 1.20	[+]	
#7 CREATININE 1.22 (7/23/2021 16:55)							
CRE1	<mod. Jaffe's Kinetic>	1.22	mg/dl (	0.025)	0.600 - 1.20	[+]	
#8 CREATININE 3.71 (7/23/2021 16:56)							
CRE1	<mod. Jaffe's Kinetic>	3.78	mg/dl (	0.076)	0.600 - 1.20	[+]	
#9 CREATININE 3.70 (7/23/2021 16:57)							
CRE1	<mod. Jaffe's Kinetic>	1.48	mg/dl (	0.030)	0.600 - 1.20	[+]	
#10 CREATININE 3.0 (7/23/2021 16:58)							
CRE1	<mod. Jaffe's Kinetic>	3.14	mg/dl (	0.063)	0.600 - 1.20	[+]	

Results							Info Flags
#1	GLUCOSE 82.3 (7/23/2021 11:49)						
	GLU1 <GOD/POD>	84.1	mg/dl (	0.352)	70.0 - 110		[]
#2	GLUCOSE 86.8 (7/23/2021 11:49)						
	GLU1 <GOD/POD>	82.9	mg/dl (	0.347)	70.0 - 110		[]
#3	GLUCOSE 112 (7/23/2021 11:50)						
	GLU1 <GOD/POD>	115	mg/dl (	0.483)	70.0 - 110		[+]
#4	GLUCOSE 88.3 (7/23/2021 11:50)						
	GLU1 <GOD/POD>	88.0	mg/dl (	0.369)	70.0 - 110		[]
#5	GLUCOSE 84.8 (7/23/2021 11:50)						
	GLU1 <GOD/POD>	87.7	mg/dl (	0.367)	70.0 - 110		[]
#6	GLUCOSE 88 (7/23/2021 11:50)						
	GLU1 <GOD/POD>	85.6	mg/dl (	0.359)	70.0 - 110		[]
#7	GLUCOSE 93 (7/23/2021 11:50)						
	GLU1 <GOD/POD>	92.3	mg/dl (	0.387)	70.0 - 110		[]
#8	GLUCOSE 158 (7/23/2021 11:51)						
	GLU1 <GOD/POD>	153	mg/dl (	0.641)	70.0 - 110		[+]
#9	GLUCOSE 199 (7/23/2021 11:51)						
	GLU1 <GOD/POD>	204	mg/dl (	0.853)	70.0 - 110		[+]
#10	GLUCOSE 199.2 (7/23/2021 11:51)						
	GLU1 <GOD/POD>	203	mg/dl (	0.851)	70.0 - 110		[+]

#1 TBILIRUBIN 4.5 (7/23/2021 17:14)						
BIT1	<Jendrassik-Grof>	4.55	mg/dl (	0.420)	0.000 - 1.00	[+]
#2 TBILIRUBIN 4.26 (7/23/2021 17:15)						
BIT1	<Jendrassik-Grof>	4.36	mg/dl (	0.403)	0.000 - 1.00	[+]
#3 TBILIRUBIN 2.79 (7/23/2021 17:15)						
BIT1	<Jendrassik-Grof>	2.78	mg/dl (	0.257)	0.000 - 1.00	[+]
#4 TBILIRUBIN 2.2 (7/23/2021 17:16)						
BIT1	<Jendrassik-Grof>	3.18	mg/dl (	0.294)	0.000 - 1.00	[+]
#5 TBILIRUBIN 0.9 (7/23/2021 17:17)						
BIT1	<Jendrassik-Grof>	1.10	mg/dl (	0.102)	0.000 - 1.00	[+]
#6 TBILIRUBIN 3.11 (7/23/2021 17:18)						
BIT1	<Jendrassik-Grof>	3.08	mg/dl (	0.284)	0.000 - 1.00	[+]
#7 TBILIRUBIN 1.18 (7/23/2021 17:19)						
BIT1	<Jendrassik-Grof>	1.13	mg/dl (	0.104)	0.000 - 1.00	[+]
#8 TBILIRUBIN 3.14 (7/23/2021 17:20)						
BIT1	<Jendrassik-Grof>	3.14	mg/dl (	0.290)	0.000 - 1.00	[+]
#9 TBILIRUBIN 1.84 (7/23/2021 17:20)						
BIT1	<Jendrassik-Grof>	1.86	mg/dl (	0.172)	0.000 - 1.00	[+]
#10 TBILIRUBIN 2.45 (7/23/2021 17:21)						
BIT1	<Jendrassik-Grof>	2.45	mg/dl (	0.226)	0.000 - 1.00	[+]

#1	T	PROTEIN	5.76	(7/23/2021 10:58)							
TP1		<Biuret>	5.89		g/dl	(	0.367)	0.000	-	0.000	[+]
#2	T	PROTEIN	5.70	(7/23/2021 10:59)							
TP1		<Biuret>	5.74		g/dl	(	0.357)	0.000	-	0.000	[+]
#3	T	PROTEIN	5.38	(7/23/2021 10:59)							
TP1		<Biuret>	5.36		g/dl	(	0.334)	0.000	-	0.000	[+]
#4	T	PROTEIN	4.90	(7/23/2021 10:59)							
TP1		<Biuret>	4.91		g/dl	(	0.306)	0.000	-	0.000	[+]
#5	T	PROTEIN	4.80	(7/23/2021 10:59)							
TP1		<Biuret>	4.95		g/dl	(	0.308)	0.000	-	0.000	[+]
#6	T	PROTEIN	4.85	(7/23/2021 11:00)							
TP1		<Biuret>	4.90		g/dl	(	0.305)	0.000	-	0.000	[+]
#7	T	PROTEIN	4.87	(7/23/2021 11:00)							
TP1		<Biuret>	4.94		g/dl	(	0.308)	0.000	-	0.000	[+]
#8	T	PROTEIN	4.91	(7/23/2021 11:00)							
TP1		<Biuret>	4.96		g/dl	(	0.309)	0.000	-	0.000	[+]
#9	T	PROTEIN	6.87	(7/23/2021 11:00)							
TP1		<Biuret>	6.94		g/dl	(	0.432)	0.000	-	0.000	[+]
#10	T	PROTEIN	6.81	(7/23/2021 11:00)							
TP1		<Biuret>	6.95		g/dl	(	0.432)	0.000	-	0.000	[+]

#1 TRIGLYCERIDE136 (7/23/2021 12:59)						
TGL1	<GPO/PAP>	135	mg/dl (	0.113)	0.000 - 150	[]
#2 TRIGLYCERIDE132 (7/23/2021 12:59)						
TGL1	<GPO/PAP>	135	mg/dl (	0.113)	0.000 - 150	[]
#3 TRIGLYCERIDE148 (7/23/2021 12:59)						
TGL1	<GPO/PAP>	148	mg/dl (	0.124)	0.000 - 150	[]
#4 TRIGLYCERIDE130 (7/23/2021 13:00)						
TGL1	<GPO/PAP>	123	mg/dl (	0.103)	0.000 - 150	[]
#5 TRIGLYCERIDE124 (7/23/2021 13:00)						
TGL1	<GPO/PAP>	124	mg/dl (	0.104)	0.000 - 150	[]
#6 TRIGLYCERIDE127 (7/23/2021 13:00)						
TGL1	<GPO/PAP>	124	mg/dl (	0.104)	0.000 - 150	[]
#7 TRIGLYCERIDE133 (7/23/2021 13:01)						
TGL1	<GPO/PAP>	128	mg/dl (	0.107)	0.000 - 150	[]
#8 TRIGLYCERIDE174 (7/23/2021 13:01)						
TGL1	<GPO/PAP>	171	mg/dl (	0.143)	0.000 - 150	[+]
#9 TRIGLYCERIDE270 (7/23/2021 13:02)						
TGL1	<GPO/PAP>	279	mg/dl (	0.233)	0.000 - 150	[+]
#10 TRIGLYCERIDE277 (7/23/2021 13:02)						
TGL1	<GPO/PAP>	275	mg/dl (	0.230)	0.000 - 150	[+]

#1 UREA 104 (7/23/2021 17:55)						
URE1	<GLDH Kinetic>	108	mg/dl (	0.264)	14.0 - 40.0	[+]
#2 UREA 115 (7/23/2021 17:55)						
URE1	<GLDH Kinetic>	114	mg/dl (	0.278)	14.0 - 40.0	[+]
#3 UREA 60.5 (7/23/2021 17:56)						
URE1	<GLDH Kinetic>	67.7	mg/dl (	0.165)	14.0 - 40.0	[+]
#4 UREA 87.6 (7/23/2021 17:56)						
URE1	<GLDH Kinetic>	89.7	mg/dl (	0.219)	14.0 - 40.0	[+]
#5 UREA 38.1 (7/23/2021 17:57)						
URE1	<GLDH Kinetic>	42.0	mg/dl (	0.103)	14.0 - 40.0	[+]
#6 UREA 81.5 (7/23/2021 17:57)						
URE1	<GLDH Kinetic>	85.4	mg/dl (	0.208)	14.0 - 40.0	[+]
#7 UREA 41 (7/23/2021 17:58)						
URE1	<GLDH Kinetic>	41.2	mg/dl (	0.100)	14.0 - 40.0	[+]
#8 UREA 81.9 (7/23/2021 17:58)						
URE1	<GLDH Kinetic>	85.2	mg/dl (	0.208)	14.0 - 40.0	[+]
#9 UREA 42 (7/23/2021 17:59)						
URE1	<GLDH Kinetic>	42.5	mg/dl (	0.104)	14.0 - 40.0	[+]
#10 UREA 72.2 (7/23/2021 17:59)						
URE1	<GLDH Kinetic>	70.5	mg/dl (	0.172)	14.0 - 40.0	[+]

#1 URIC ACID 6.16 (7/23/2021 11:22)						
UAC1	<Uricase/PAP>	6.04	mg/dl (	0.167)	3.40 - 7.00	[]
#2 URIC ACID 6.08 (7/23/2021 11:22)						
UAC1	<Uricase/PAP>	6.06	mg/dl (	0.168)	3.40 - 7.00	[]
#3 URIC ACID 6.37 (7/23/2021 11:22)						
UAC1	<Uricase/PAP>	6.21	mg/dl (	0.172)	3.40 - 7.00	[]
#4 URIC ACID 5.33 (7/23/2021 11:22)						
UAC1	<Uricase/PAP>	5.23	mg/dl (	0.145)	3.40 - 7.00	[]
#5 URIC ACID 5.31 (7/23/2021 11:23)						
UAC1	<Uricase/PAP>	5.18	mg/dl (	0.144)	3.40 - 7.00	[]
#6 URIC ACID 5.30 (7/23/2021 11:23)						
UAC1	<Uricase/PAP>	5.24	mg/dl (	0.145)	3.40 - 7.00	[]
#7 URIC ACID 5.28 (7/23/2021 11:23)						
UAC1	<Uricase/PAP>	5.34	mg/dl (	0.148)	3.40 - 7.00	[]
#8 URIC ACID 6.28 (7/23/2021 11:23)						
UAC1	<Uricase/PAP>	6.36	mg/dl (	0.176)	3.40 - 7.00	[]
#9 URIC ACID 11.0 (7/23/2021 11:24)						
UAC1	<Uricase/PAP>	11.8	mg/dl (	0.327)	3.40 - 7.00	[+]
#10 URIC ACID 11.2 (7/23/2021 11:24)						
UAC1	<Uricase/PAP>	11.5	mg/dl (	0.318)	3.40 - 7.00	[+]