

Date: 15/05/2022

CALIBRATION CERTIFICATE OF BA200

CUSTOMER NAME – AVM DIAGNOSTIC CENTRE, Pudukkottai

Serial Number = 832000157

User Software = 5.2.3.0

Initialization Motor

Vertical Motors – Sample and reagent in Home

Polar Motors – Sample and reagent in Home

Reaction Rotor in home

Sample and Reagent rotor in Home

Ceramic Dispensing pump – Sample and reagent in Home

Optics Initialization: Ok

Peltier cells and drivers test

Rotor Peltier and Sample Reagent Rotor peltier driver test: Ok

Temperature system initialized

LED test: ok

Hardware completely initialized

Parameters	Current value	Minimum	Maximum
Reading reference Position - Well 1	7893	7860	7905
Thermal adjustment of reaction rotor	37.5	37	39
Thermal adjustment of Wash station	51	42	50
Thermal adjustment of Sample & Reagent Probe	37	36	39
Photometric Dark Current Adjustment	3817	3300	4500
Main Photo Diode Counts 340NM	899199	600000	950000
Main Photo Diode Counts 405NM	908619	850000	950000
Main Photo Diode Counts 505NM	898895	850000	950000
Main Photo Diode Counts 535NM	897648	850000	950000
Main Photo Diode Counts 560NM	909549	420000	950000
Main Photo Diode Counts 600NM	890987	750000	950000
Main Photo Diode Counts 635NM	890845	850000	950000
Main Photo Diode Counts 670NM	890225	450000	950000

Next calibration due on: 14/05/2023

For BIOSYSTEMS DIAGNOSTICS PVT. LTD.



Authorized Signatory

Results by test/sample type

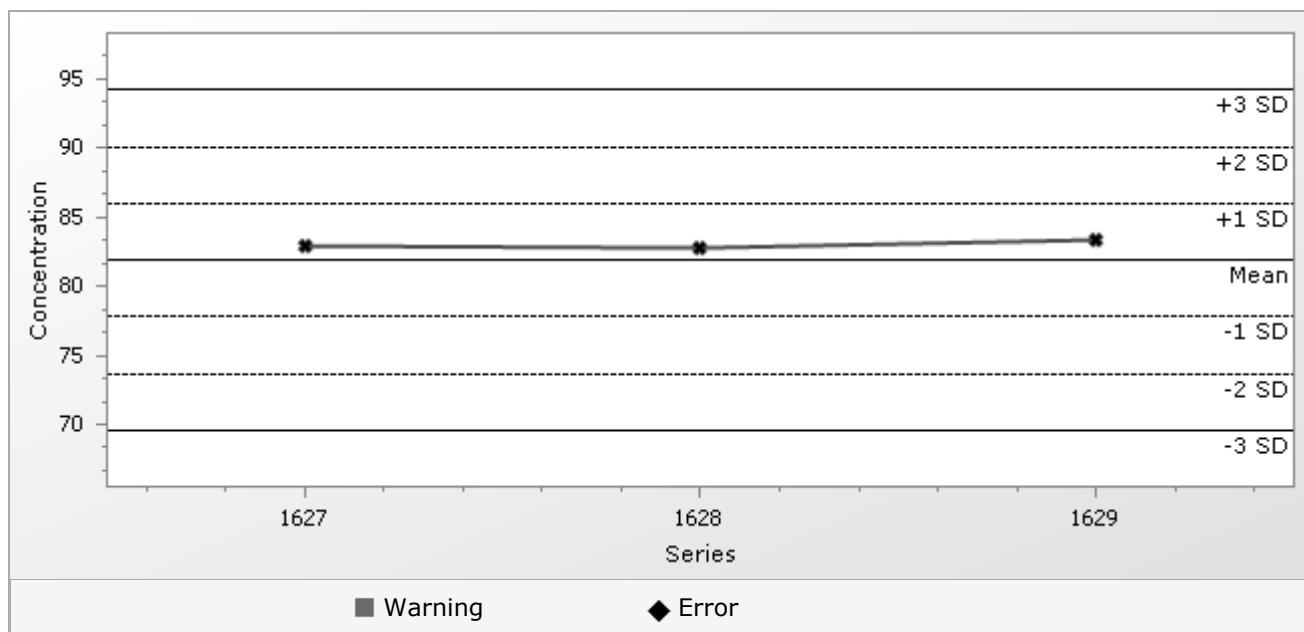
Test name	Sample type	Calculation mode	Dates
GLUCOSE	SER	Manual	25/07/2022 - 27/07/2022

Controls

Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L1 26491	26491	81.90	mg/dL	4.100		69.60-94.20

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1627	25/07/2022 09:04:55	82.94	mg/dL	1.04	1.27	
1628	26/07/2022 09:08:50	82.81	mg/dL	0.91	1.11	
1629	27/07/2022 09:03:37	83.31	mg/dL	1.41	1.72	

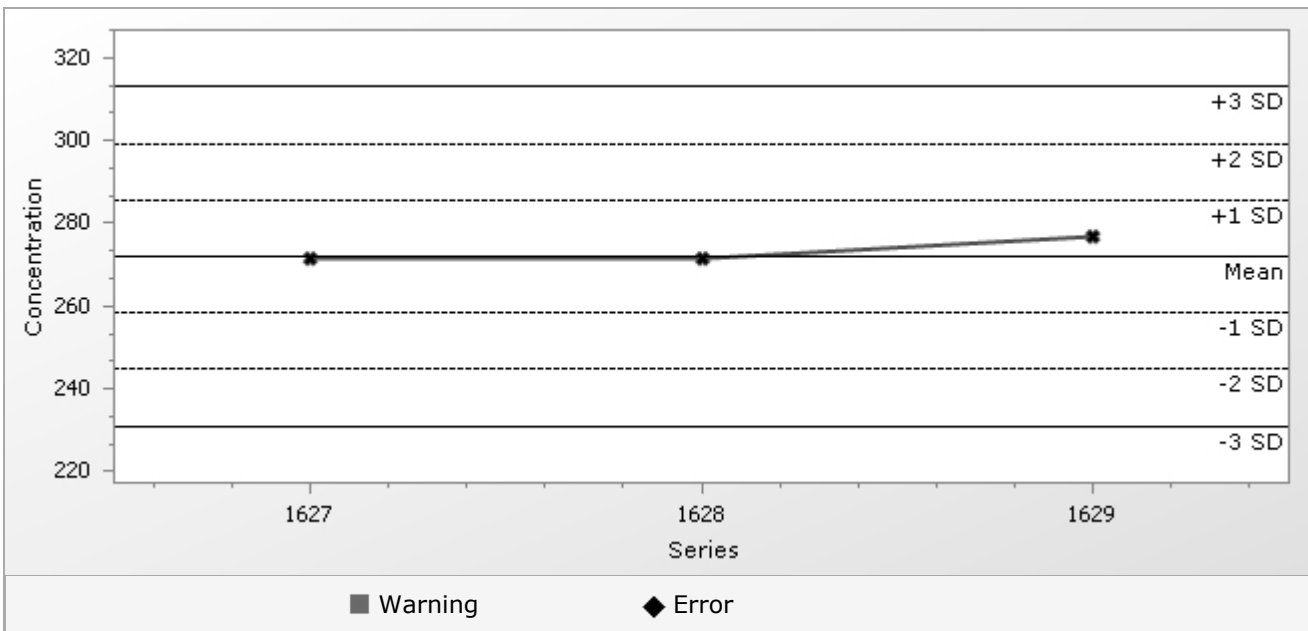
BIORAD L1 26491 (26491)



Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L2 26492	26492	272.00	mg/dL	13.66		231.00-313.00
				7		

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1627	25/07/2022 09:05:13	271.52	mg/dL	-0.48	-0.17	
1628	26/07/2022 09:09:08	271.65	mg/dL	-0.35	-0.13	
1629	27/07/2022 09:03:54	276.69	mg/dL	4.69	1.72	

BIORAD L2 26492 (26492)



Results by test/sample type

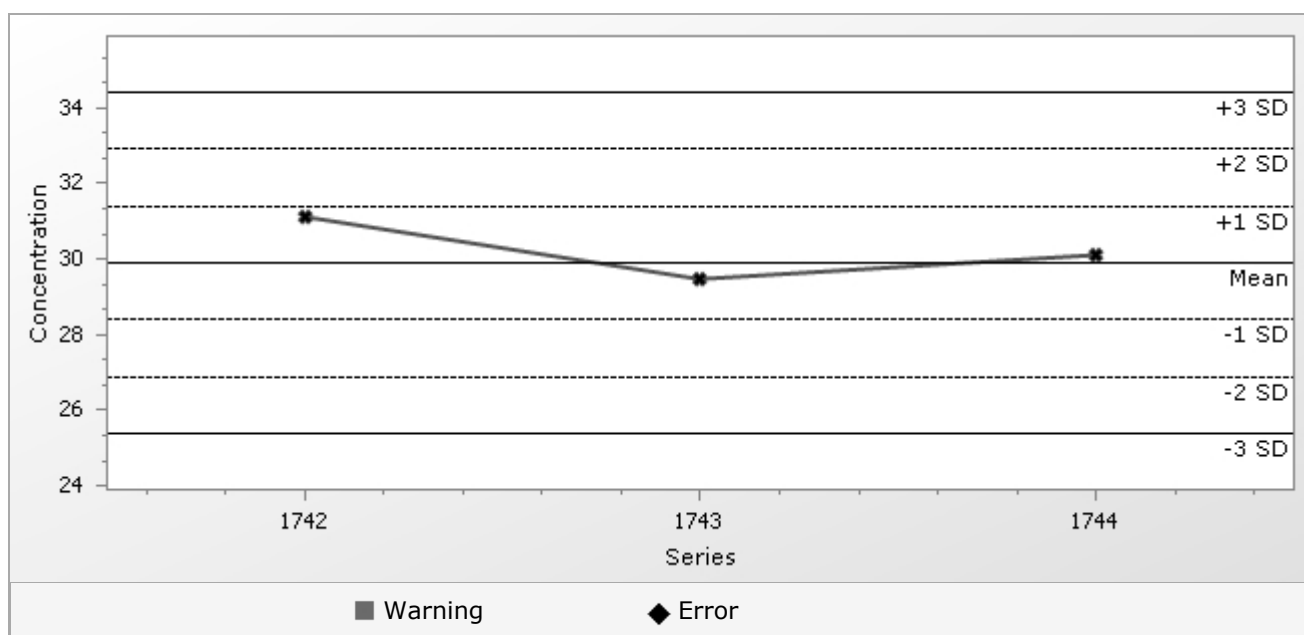
Test name	Sample type	Calculation mode	Dates
UREA-BUN-UV	SER	Manual	25/07/2022 - 27/07/2022

Controls

Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L1 26491	26491	29.9	mg/dL	1.50		25.4-34.4

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1742	25/07/2022 09:20:49	31.1	mg/dL	1.2	4.13	
1743	26/07/2022 09:16:20	29.5	mg/dL	-0.4	-1.49	
1744	27/07/2022 09:10:12	30.1	mg/dL	0.2	0.72	

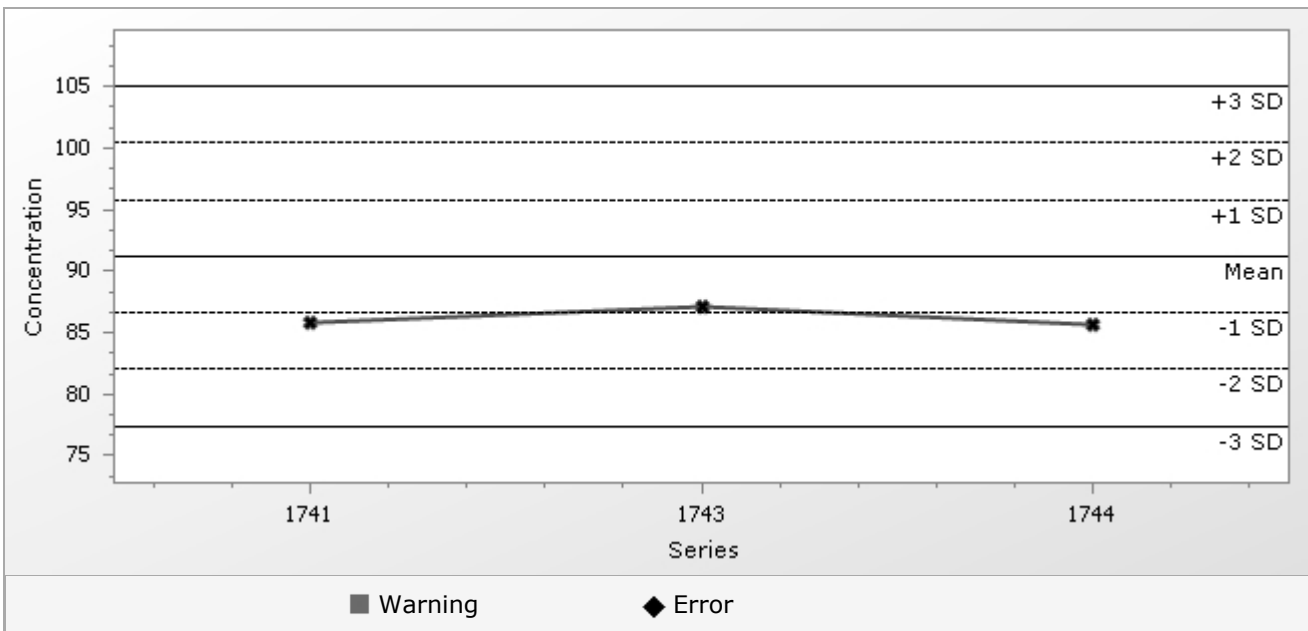
BIORAD L1 26491 (26491)



Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L2 26492	26492	91.2	mg/dL	4.60		77.4-105.0

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1741	25/07/2022 09:16:37	85.8	mg/dL	-5.4	-5.96	
1743	26/07/2022 09:22:02	87.1	mg/dL	-4.1	-4.49	
1744	27/07/2022 09:18:00	85.6	mg/dL	-5.6	-6.12	

BIORAD L2 26492 (26492)



Results by test/sample type

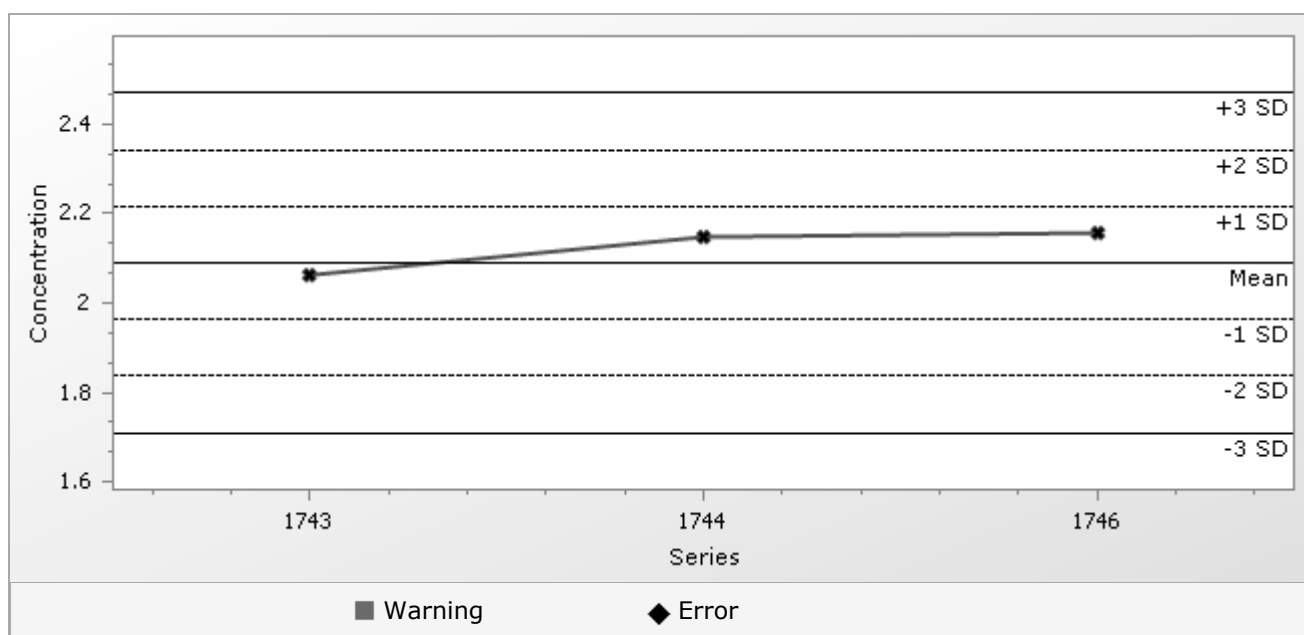
Test name	Sample type	Calculation mode	Dates
CREATININE	SER	Manual	25/07/2022 - 27/07/2022

Controls

Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L1 26491	26491	2.09	mg/dL	0.127		1.71-2.47

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1743	25/07/2022 09:11:13	2.06	mg/dL	-0.03	-1.36	
1744	26/07/2022 09:16:38	2.15	mg/dL	0.06	2.77	
1746	27/07/2022 09:20:24	2.16	mg/dL	0.07	3.30	

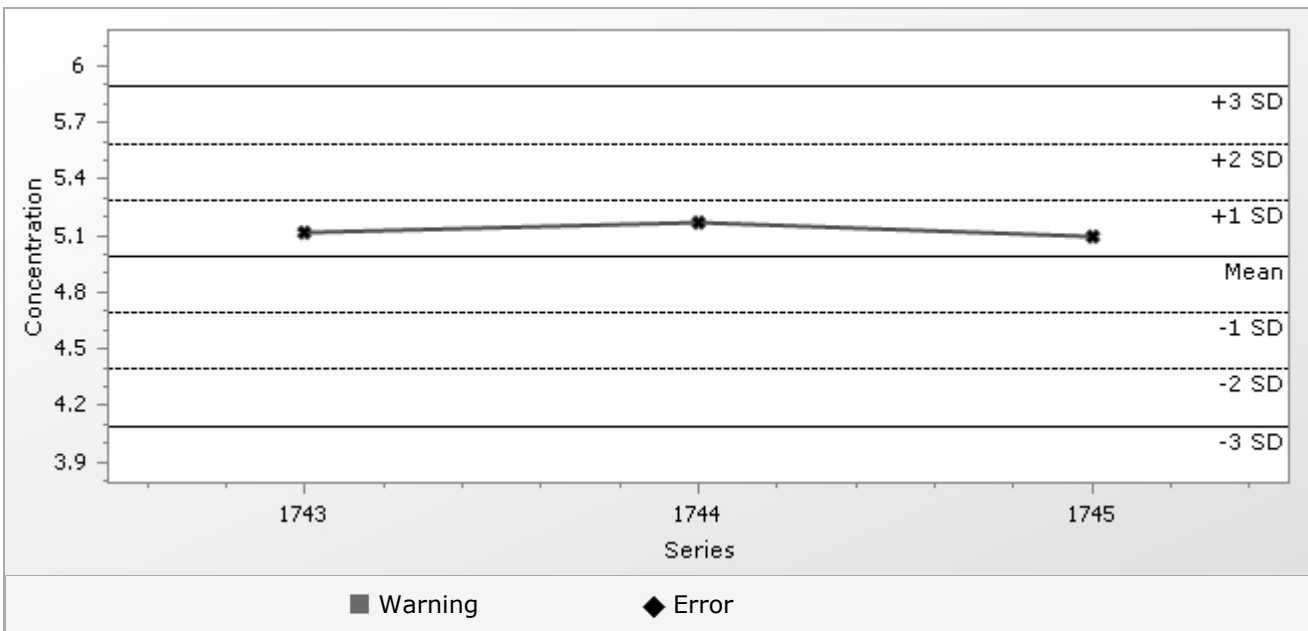
BIORAD L1 26491 (26491)



Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L2 26492	26492	4.99	mg/dL	0.300		4.09-5.89

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1743	25/07/2022 09:16:55	5.12	mg/dL	0.13	2.54	
1744	26/07/2022 09:22:20	5.17	mg/dL	0.18	3.62	
1745	27/07/2022 09:18:54	5.10	mg/dL	0.11	2.21	

BIORAD L2 26492 (26492)



Results by test/sample type

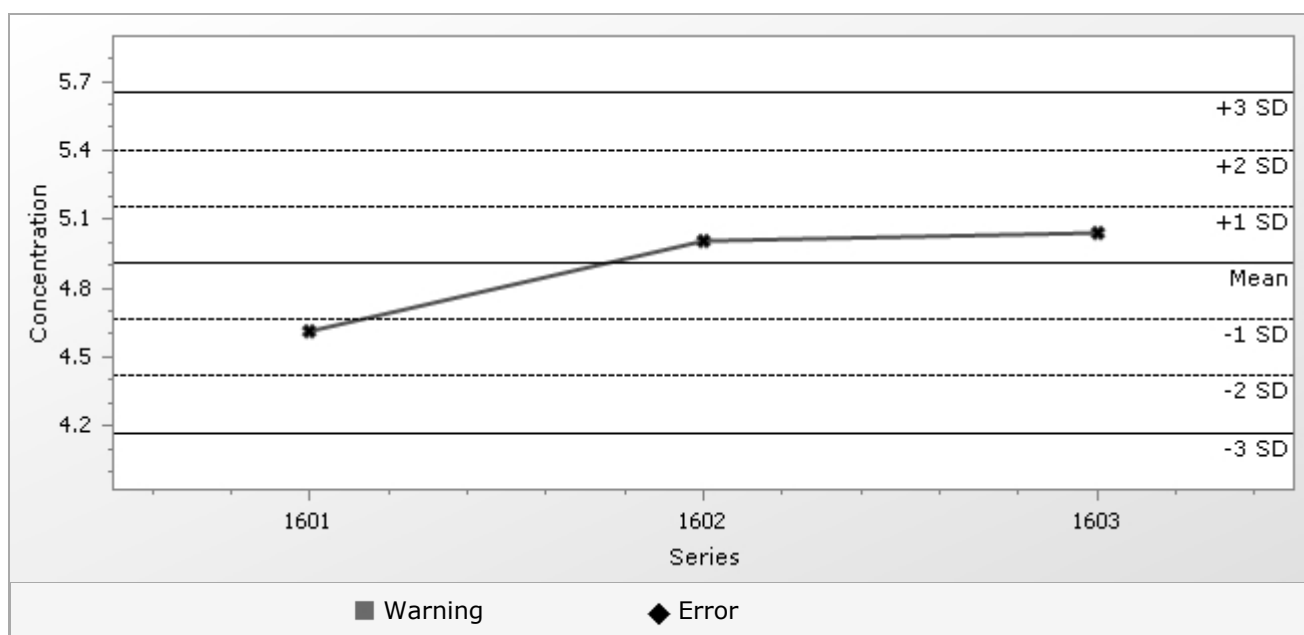
Test name	Sample type	Calculation mode	Dates
URIC ACID	SER	Manual	25/07/2022 - 27/07/2022

Controls

Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L1 26491	26491	4.91	mg/dL	0.247		4.17-5.65

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1601	25/07/2022 09:10:37	4.61	mg/dL	-0.30	-6.11	
1602	26/07/2022 09:16:02	5.00	mg/dL	0.09	1.93	
1603	27/07/2022 09:11:24	5.04	mg/dL	0.13	2.61	

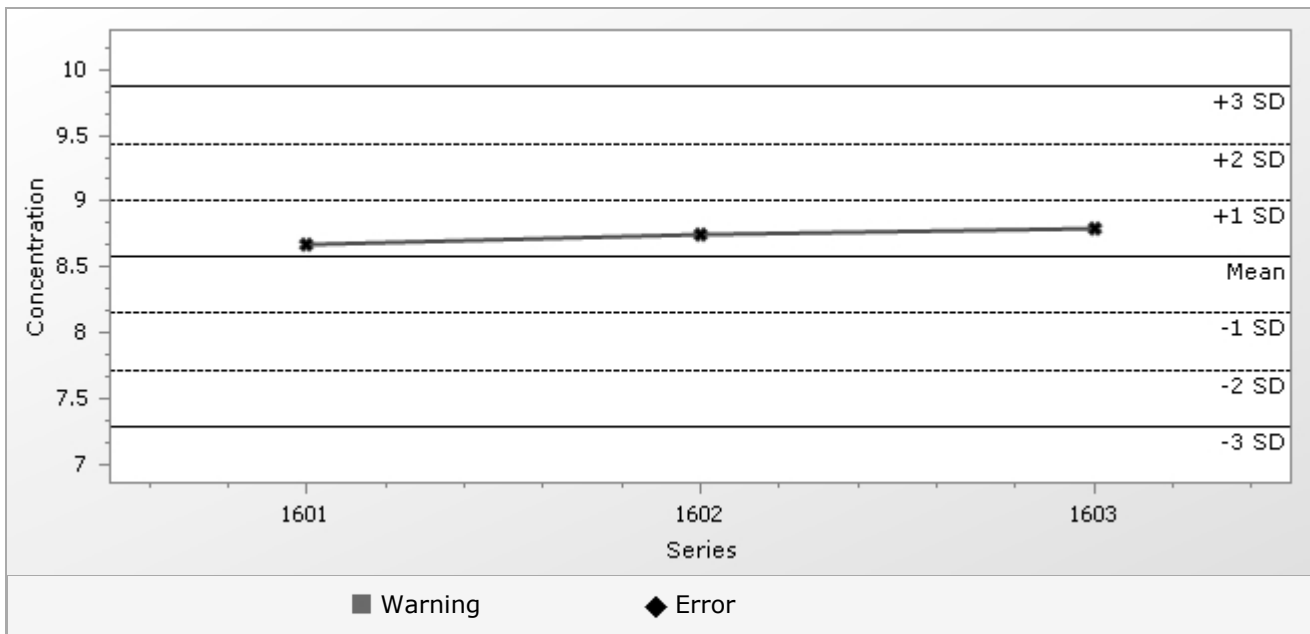
BIORAD L1 26491 (26491)



Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L2 26492	26492	8.58	mg/dL	0.430		7.29-9.87

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1601	25/07/2022 09:16:19	8.67	mg/dL	0.09	1.00	
1602	26/07/2022 09:21:44	8.74	mg/dL	0.16	1.88	
1603	27/07/2022 09:19:48	8.79	mg/dL	0.21	2.50	

BIORAD L2 26492 (26492)



Results by test/sample type

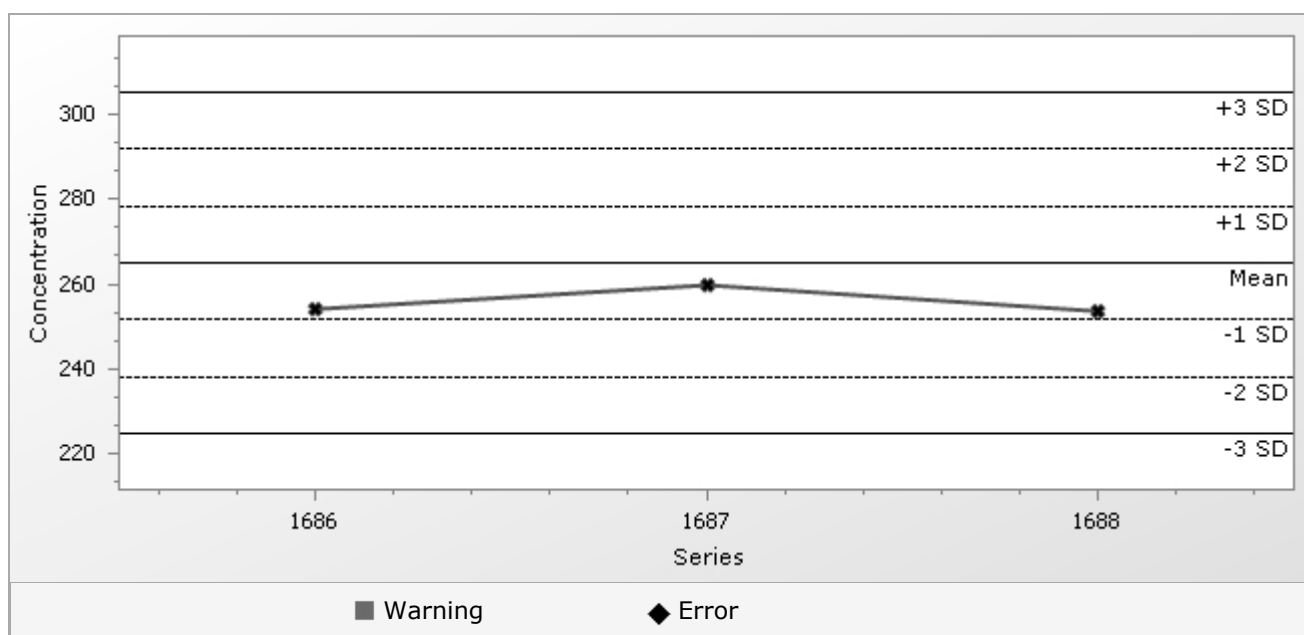
Test name	Sample type	Calculation mode	Dates
CHOLESTEROL	SER	Manual	25/07/2022 - 27/07/2022

Controls

Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L1 26491	26491	265	mg/dL	13.3		225-305

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1686	25/07/2022 09:09:43	254	mg/dL	-11	-4.12	
1687	26/07/2022 09:15:08	260	mg/dL	-5	-1.95	
1688	27/07/2022 09:10:12	254	mg/dL	-11	-4.20	

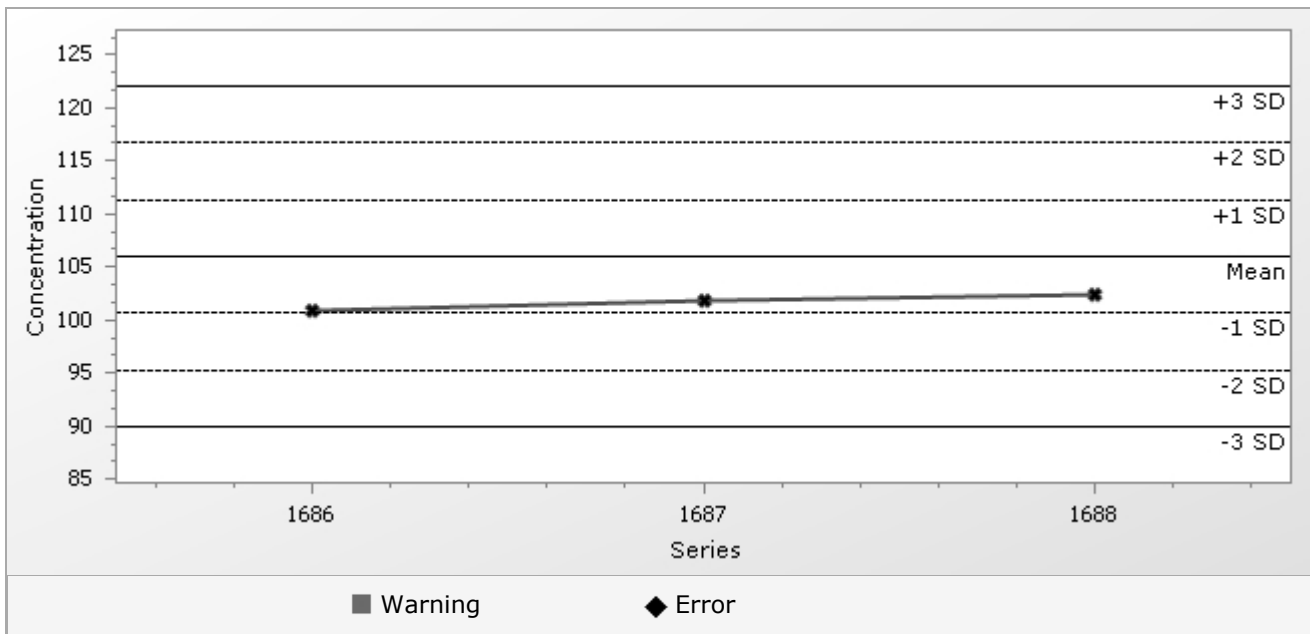
BIORAD L1 26491 (26491)



Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L2 26492	26492	106	mg/dL	5.3		90-122

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1686	25/07/2022 09:15:25	101	mg/dL	-5	-4.79	
1687	26/07/2022 09:20:50	102	mg/dL	-4	-3.86	
1688	27/07/2022 09:17:42	102	mg/dL	-4	-3.35	

BIORAD L2 26492 (26492)



Results by test/sample type

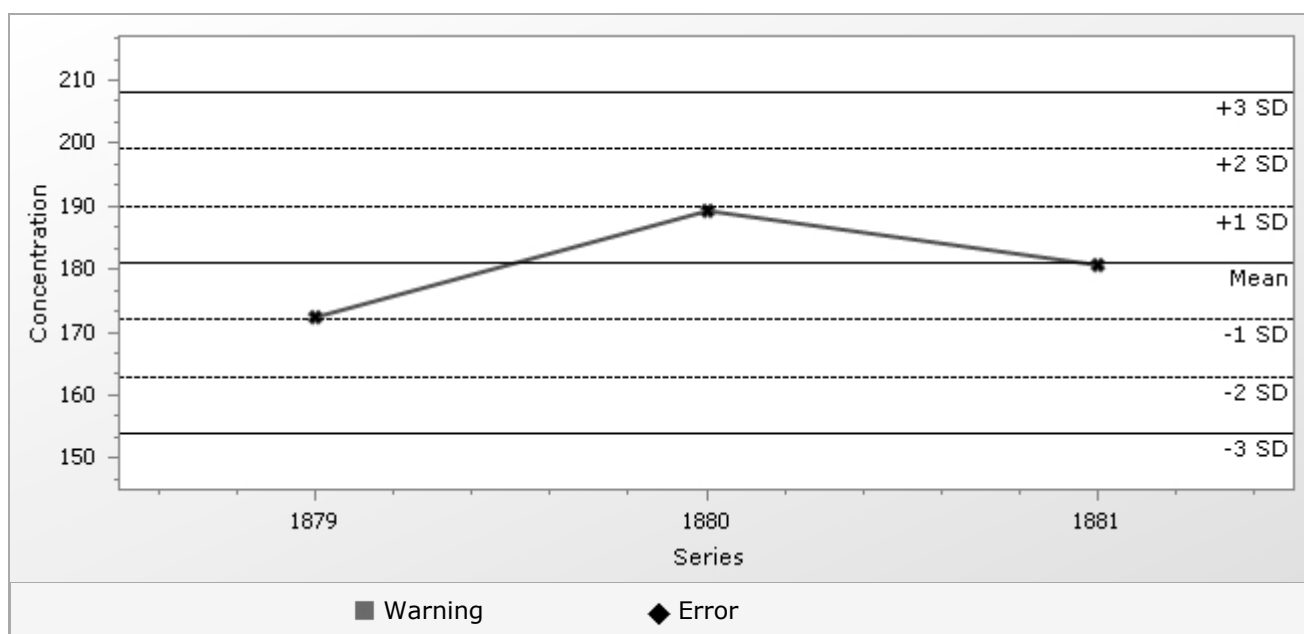
Test name	Sample type	Calculation mode	Dates
TRIGLYCERIDES	SER	Manual	25/07/2022 - 27/07/2022

Controls

Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L1 26491	26491	181.00	mg/dL	9.000		154.00-208.00

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1879	25/07/2022 09:18:43	172.45	mg/dL	-8.55	-4.72	
1880	26/07/2022 09:15:44	189.18	mg/dL	8.18	4.52	
1881	27/07/2022 09:10:48	180.63	mg/dL	-0.37	-0.21	

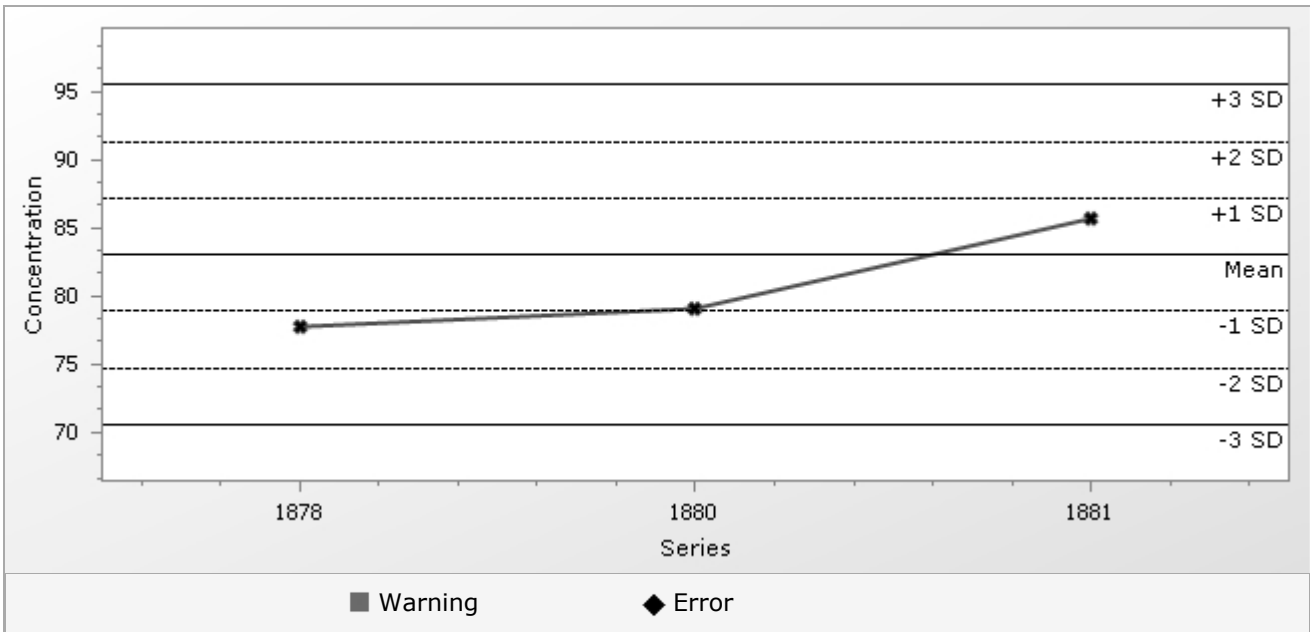
BIORAD L1 26491 (26491)



Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L2 26492	26492	83.05	mg/dL	4.150		70.60-95.50

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1878	25/07/2022 09:16:01	77.79	mg/dL	-5.26	-6.34	
1880	26/07/2022 09:21:26	79.07	mg/dL	-3.98	-4.80	
1881	27/07/2022 09:19:30	85.68	mg/dL	2.63	3.17	

BIORAD L2 26492 (26492)



Results by test/sample type

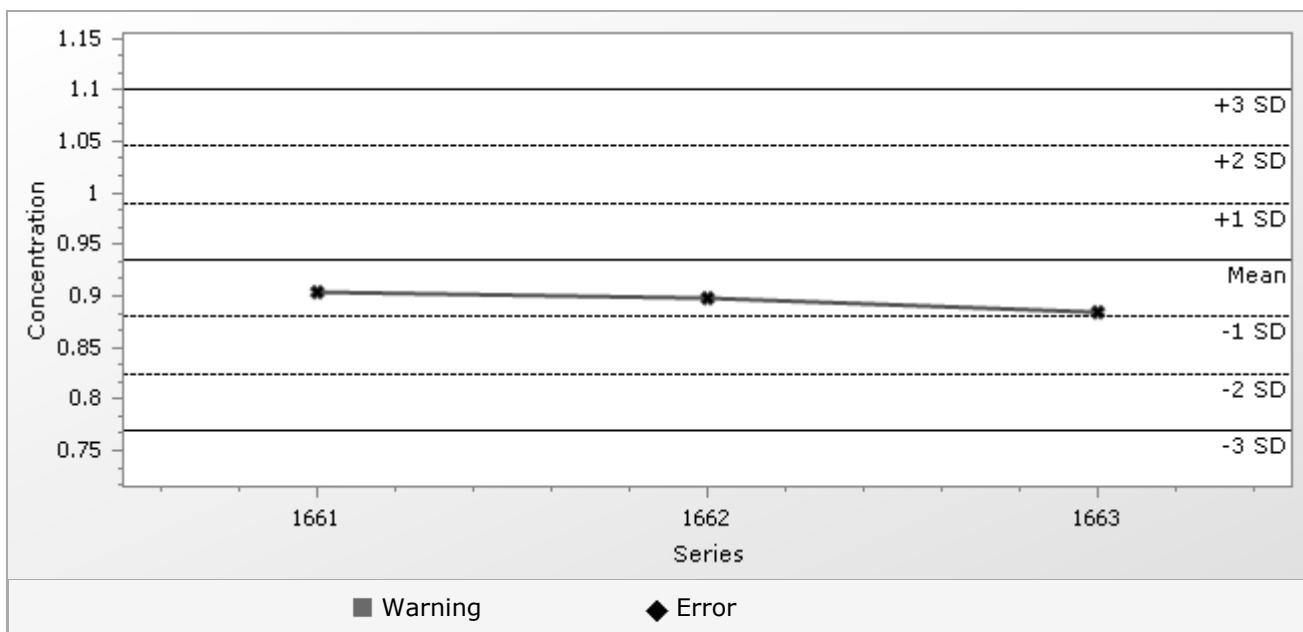
Test name	Sample type	Calculation mode	Dates
BILIRUBIN TOTAL	SER	Manual	25/07/2022 - 27/07/2022

Controls

Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L1 26491	26491	0.94	mg/dL	0.055		0.77-1.10

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1661	25/07/2022 09:11:31	0.90	mg/dL	-0.03	-3.39	
1662	26/07/2022 09:16:38	0.90	mg/dL	-0.04	-3.98	
1663	27/07/2022 09:10:48	0.88	mg/dL	-0.05	-5.37	

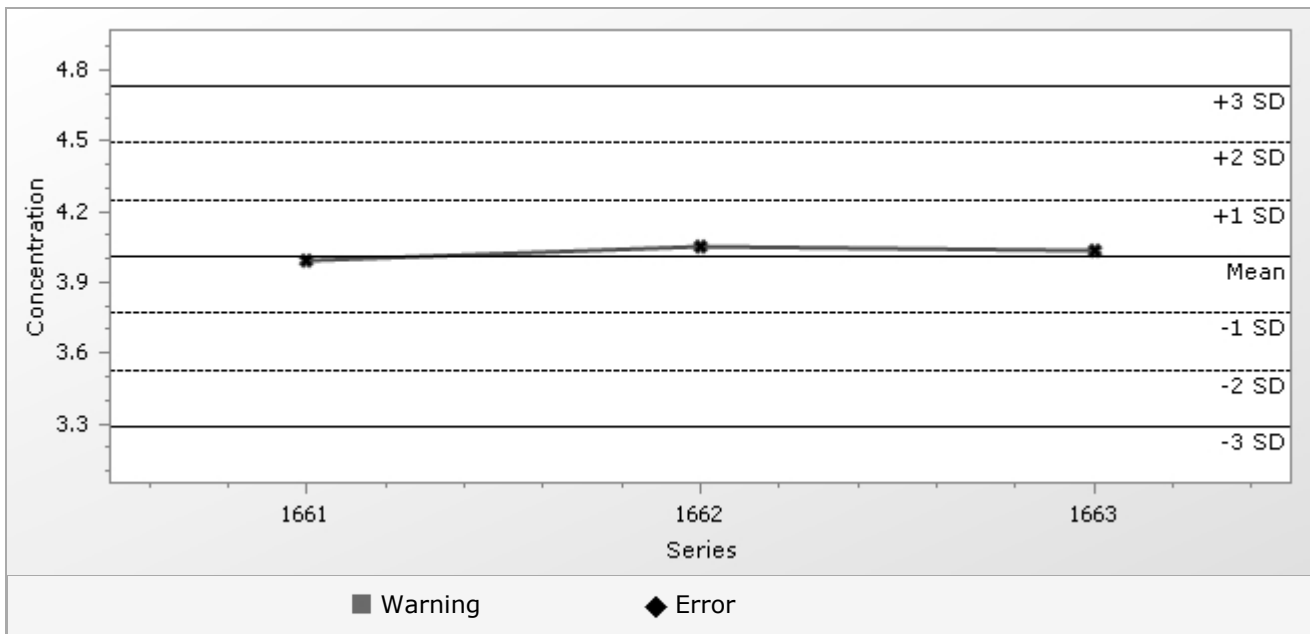
BIORAD L1 26491 (26491)



Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L2 26492	26492	4.01	mg/dL	0.240		3.29-4.73

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1661	25/07/2022 09:16:55	4.00	mg/dL	-0.01	-0.33	
1662	26/07/2022 09:22:38	4.06	mg/dL	0.05	1.15	
1663	27/07/2022 09:17:42	4.04	mg/dL	0.03	0.72	

BIORAD L2 26492 (26492)



Results by test/sample type

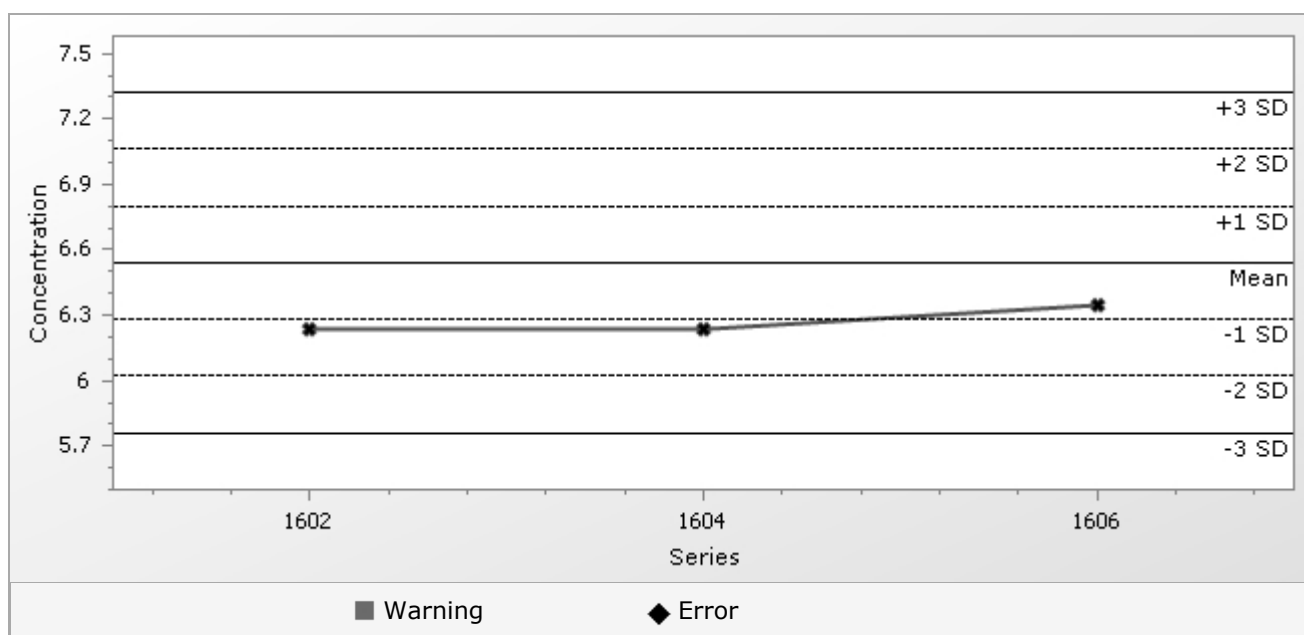
Test name	Sample type	Calculation mode	Dates
PROTEIN TOTAL	SER	Manual	25/07/2022 - 27/07/2022

Controls

Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L1 26491	26491	6.54	g/dL	0.260		5.76-7.32

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1602	25/07/2022 09:10:01	6.24	g/dL	-0.30	-4.62	
1604	26/07/2022 09:15:26	6.24	g/dL	-0.30	-4.63	
1606	27/07/2022 09:10:30	6.35	g/dL	-0.19	-2.89	

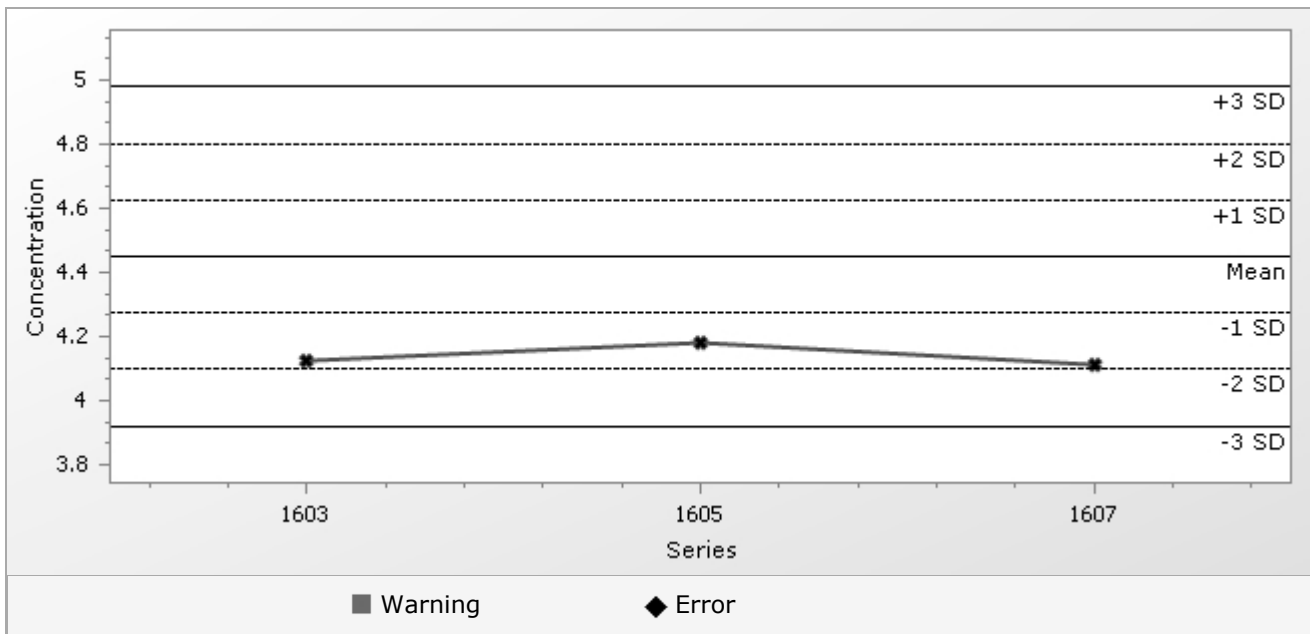
BIORAD L1 26491 (26491)



Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L2 26492	26492	4.45	g/dL	0.177		3.92-4.98

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1603	25/07/2022 09:55:22	4.12	g/dL	-0.33	-7.33	
1605	26/07/2022 09:28:20	4.18	g/dL	-0.27	-5.98	
1607	27/07/2022 09:52:57	4.11	g/dL	-0.34	-7.55	

BIORAD L2 26492 (26492)



Results by test/sample type

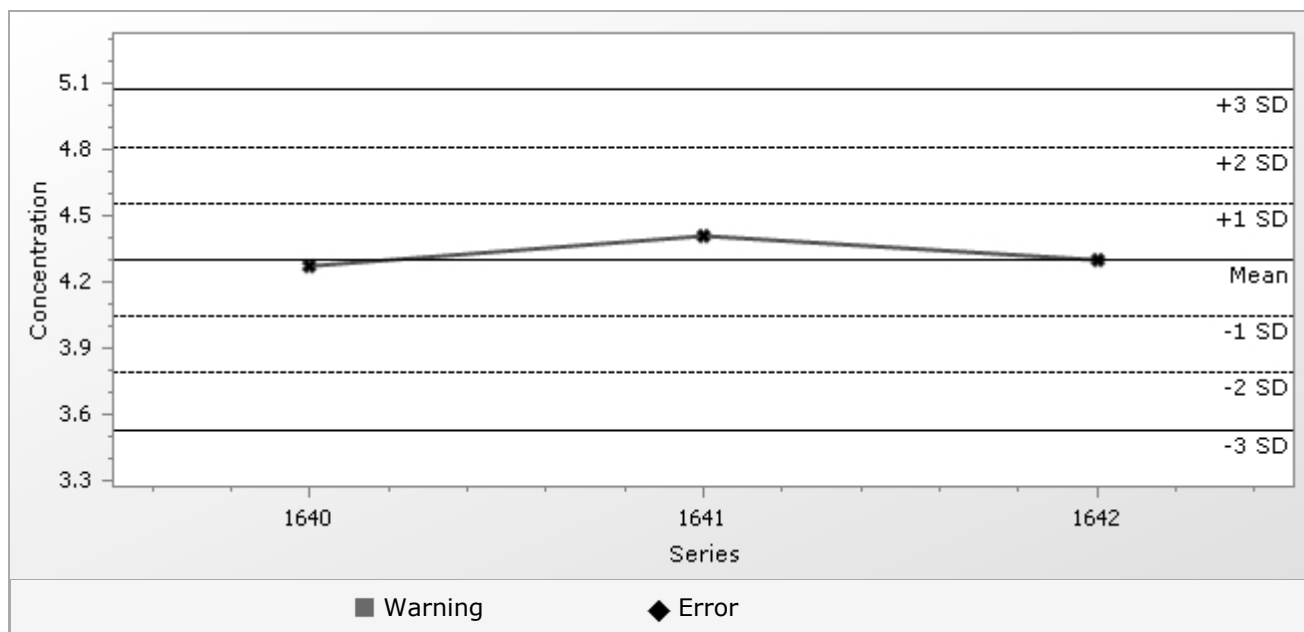
Test name	Sample type	Calculation mode	Dates
ALBUMIN	SER	Manual	25/07/2022 - 27/07/2022

Controls

Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L1 26491	26491	4.30	g/dL	0.257		3.53-5.07

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1640	25/07/2022 09:07:01	4.27	g/dL	-0.03	-0.71	
1641	26/07/2022 09:12:26	4.41	g/dL	0.11	2.61	
1642	27/07/2022 09:07:48	4.30	g/dL	0.00	-0.08	

BIORAD L1 26491 (26491)



Name	Lot number	Mean	Unit	SD	CV	Ranges
BIORAD L2 26492	26492	2.78	g/dL	0.167		2.28-3.28

n	Date	Result	Unit	ABS Err	REL error %	Alarms
1640	25/07/2022 09:12:43	2.91	g/dL	0.13	4.81	
1641	26/07/2022 09:18:08	2.85	g/dL	0.07	2.46	
1642	27/07/2022 09:16:12	2.87	g/dL	0.09	3.39	

BIORAD L2 26492 (26492)

