

**Subject : No Equipment Calibration Requirement for FDC 4000i, NX500i and FDC7000i**

Design Change Reason	Action	Time frame
<input type="checkbox"/> Specification/Function change <input type="checkbox"/> Pro-active improvement <input type="checkbox"/> Serviceability <input type="checkbox"/> Part Replacement <input type="checkbox"/> Corrective Action <input type="checkbox"/> Preventive Action <input type="checkbox"/> Regulatory Compliance <input checked="" type="checkbox"/> Other (information)	<input type="checkbox"/> Mandatory <input type="checkbox"/> Recommended <input type="checkbox"/> Not required ( ) <input checked="" type="checkbox"/> Other (information only)	<input type="checkbox"/> Immediately <input type="checkbox"/> Next maintenance <input type="checkbox"/> Upon trouble situation <input type="checkbox"/> At your convenience <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Other ( )

Date: 29/October/2014 Dept.: Medical Systems Business Div.

Originator: M.Jumawid Edited by: M. Jumawid Approved by: Y. Kashi

Affected Products: FUJI DRI-CHEM analyzers FDC 4000i, NX500i and FDC7000i

To whom it may concern:

This document certifies that FUJI DRI-CHEM analyzers FDC4000i, NX500i and FDC7000i do not require equipment calibration.

The quality of these analyzers is guaranteed through the following principle.

FUJI DRI-CHEM analyzers are equipped with reference white and black plates. The functions of these plates are 1) to adjust the gain for all the interference filters before every measurement, and 2) to assure that the analyzer is working within the manufacturer's quality standard. 2) is conducted after gain adjustment, where the optical densities of reflectance for these plates measured in a constant interval, are checked. If the values exceed the threshold, the machine will indicate an error and the analyzer will not give a measurement result for this abnormal case.

The reference white and black plates are made from ceramic material which do not degrade over time, thus the quality of the analyzers can be confirmed over a long period of time.

- Special tools / Instruments :  Yes  No
- Supply of the articles :  Yes  No  
 If Yes, when :  
 Name / Code :
- Old parts after replaced :  Yes  No
- Report requirement after finished :  Yes  No

**FUJIFILM****FUJIFILM India Pvt. Ltd**Unitech Cyber Park, Unit No. 801-807, 8th Floor, Tower C,  
Sector 39, Gurugram - 122001, Haryana**Installation Completion and Customer Acceptance Report****Customer Details :**

CUSTOMER NAME :	VRIKSH FERTILITY CENTRE	CUSTOMER CODE :	.
ADDRESS :	29/A, 1 <sup>ST</sup> Floor, 2 <sup>TH</sup> Main Road	CONTACT PERSON :	SRIKARDHATRAK
CITY :	HSR Layout, Bangalore -	PHONE No. :	9963690887
STATE :	KARNATAKA	REGION :	<input type="checkbox"/> N <input type="checkbox"/> W <input type="checkbox"/> E <input checked="" type="checkbox"/>

**Equipment's Details :**

Equipment Type :	FUJI DRICHEMISTRY FDC		
Model :	FDC NX600i		
Main Equipment Serial No.	1	27033367	
	2		
	3		
Console Name & version :	V. 2.1		
Workstation Name & version :	V. 2.1		
Options and Accessories Serial No.	1	Accessories has been checked	
	2	Assembled Sample rack pins	
	3	Set ALP - correlation factor to IFCC	
	4	Assembled incubator and other accessories	
	5	Given training to technicians and staff	
	6	Performed samples.	
	7	The Above mentioned equipment has been installed	
	8	and Working Satisfactorily	

**Installation Details :**

Installation Case ID :	
Installation Engineer Name :	RAMAMOHAN B.G.
Dealer Name :	ASLN Biomedical,
Installation Start Date :	01-05-2023
Installation End Date :	01-05-2023

**\*\* The Above mentioned Equipment has been installed at customer's designated location. It has been Electronically and Mechanically tested for the operation.**

Customer acknowledges the warranty period for the above mentioned equipment as below:

Warranty Start Date :	01-05-2023	Warranty End Date :	30-04-2024
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Remarks if any :

Installation Engineer Signature :

Rene J. B. B.

Customer Signature &amp; Stamp :

**FUJIFILM India Pvt Ltd.(FFIN) Standard Warranty terms & Conditions :**

**FFIN's obligation under this warranty is explicitly limited to:**

- i) FFIN will undertake its cost to replace all parts which fall due to manufacturing defect.
- ii) FFIN will undertake its cost to attend all breakdown calls if any arises
- iii) FFIN will ensure necessary maintenance activities as per FFIN technical team recommendation
- iv) FFIN will submit maintenance reports to its customers

**THIS WARRANTY DOES NOT COVER: malfunction, defect, failure, or damage**

- (i) due to failure of buyer to conform to equipment site specifications.
- (ii) arising due to Rebuilding or relocation of equipment from one place to another.
- (iii) due to use of attachments, accessories or alteration not marketed as a part of equipment.
- (iv) arising from ordinary wear and tear, wind, fires, storm, earthquake, incorrect power line voltage, inadequate or improper lighting, adverse weather conditions or other acts of God or nature, your or operators abuse or neglect, misuse, accident or mishap.
- (v) due to use of unauthorized or non-licensed software.
- (vi) due to power abnormalities like lightning strikes, improper grounding, etc.
- (vii) due to failure to observe equipment operating instruction.
- (viii) FFIN does not cover consumables like CR Cassettes/Imaging plate, printer, Batteries
- (viii) The warranty does not include any service necessary due to a design specification or instruction provided by the customer or customer representative, any alteration or improper storage, handling, use or maintenance of the Fujifilm product by anyone other than Fujifilm or Fujifilm representative

**Equipment handling Instructions (Do's & Don'ts)**

**Cleaning & Disinfection:**

- \* Ensure the power has been "Turned OFF" before starting any cleaning operation.
- \* To clean the outer surfaces, use ethanol papers for disinfection or a cleaning cloth tightly wrung out of ethanol .  
Note:- Do not use an excessive amount of ethanol (or neutral detergent)
- \* Do not use water. Water can short-circuit the electrical insulation and cause corrosion to mechanical parts
- \* Always clean the Imaging Plates(IP) with Dry cloth. If dirt cannot be removed by dry wiping, moisten the cloth lightly with dehydrated ethanol and Clean the IP
- \* Fumigation should not be done in the Equipment room , as it may cause corrosion.

**Environmental Conditions :**

\*\* The user needs to maintain the environmental condition within specified limits (As applicable)

	Temperature		Humidity	
	Operation conditions	Non operating	Operation conditions	Not operating condition
FCR Series	15°C to 30°C	0 °C to 45 °C	15% to 80% (40% - 80% for Profect series)	10% to 90%
Imager (Printer) Series	15°C to 30°C	0 °C to 45 °C	15% to 80%	10% to 90%
D-EVO & SE Lite Series	15°C to 30°C	5°C to 35°C	15% to 80%	10 to 80%
FFDM (Innovality)	20°C to 30°C	15°C to 35°C	30% to 75%	10% to 80%
FDR Smart-F/X	10 °C to 40°C	10 °C to 40 °C	30% to 75%	30% to 75%
FCT Series & MR Series	20°C to 26°C	5°C to 33°C	35% to 80%	35% to 80%
Mobile DR Systems	15°C to 30°C	5°C to 35°C	15% to 80%	10% to 80%
FDC Series	15°C to 32°C	5°C to 50 °C	30% to 80%	10% to 90%
Ultrasound Series	10 °C to 40°C	10 °C to 40 °C	30% to 75%	10% to 90%
Other				

**Proper Shut Down of the System :**

\*\*Do not "Power off" the system directly. Shut down the console and other equipment's properly as explained by the Installation Engineer / Application Specialist.

**FUJIFILM**

**INSTALLATION QUALIFICATION  
OPERATIONAL QUALIFICATION  
&  
PERFORMANCE QUALIFICATION**

For the Instrument FUJI DRI CHEMISTRY ANALYZER

Model: FDC NX 600i

Serial No.: 27033367

**FUJIFILM INDIA PRIVATE LIMITED**

Registered Office : C -1/114, Ground Floor, Janak Puri, New Delhi - 110058. Tel : +91-11-45509780 Telfax : +91-11-45793281

Vatika Business Park, 7th Floor, Block - One, Sohna Road, Sector - 49, Gurgaon - 122001, Haryana.  
Telephone : +91-124-4325500, Facsimile : +91-124-4325555, E-mail : [contact@fujifilmindia.com](mailto:contact@fujifilmindia.com)

## VALIDATION REPORT

**Equipment Name** : Biochemistry Analyzer

**Equipment Make** : Fuji DRI-CHEM

**Equipment Model No.** : FDC NX 600i

**Equipment Serial No.** : 27033367

**Manufacturer** : FUJIFILM

**Supplier** : Fujifilm India Pvt. Ltd

**Contact Name & Address** : Fujifilm India Pvt. Ltd  
Unitech Cyber Park,  
8<sup>th</sup> Floor, Unit No. 801-807,  
Tower C, Sec-39,  
Gurugram, Haryana-122001.

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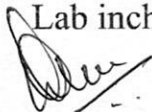
## I. Approval of IQ/OQ Procedure

Both Vriksh Fertility, Bangalore and Fujifilm India Pvt. Ltd. are jointly responsible for the Installation of FDC NX 600i Serial No. 27033367 in the Biochemistry Laboratory.

### Validation Team From Vendor

**Name** : Mr. Sandeep  
**Designation** : Service Engineer  
**Signature** :  
**Date** : 01/05/2023  
**Company** : Fujifilm India Pvt. Ltd

### Validation Team From Clinical Lab

**Name** : Mr. Srikar Dhatrak  
**Designation** : Lab incharge  
**Signature** :   
**Date** : 01/05/2023  
**Department** : Vriksh Fertility, Bangalore.

### Customer Authorization

**Name** : Dr. Anuja Dasgupta  
**Designation** : Pathologist  
**Signature** :  
**Date** : 01/05/2023  
**Company** : Vriksh Fertility, Bangalore.

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## II. Instructions

1. This document is to be completed at the time the system is shifted to its current location (Clinical Laboratory) and setup for operation.
2. An authorized (Company) representative will check the entire system and enter specific data related to installation, operation and performance qualification.
3. Employees of (Customer) Clinical Laboratory will verify each result and sign the results. The member of Validation will carry this out.
4. All deviation from the normal specification to include any problems with installations will be noted under COMMENTS.
5. A Competent Authority (Customer) will supervise the the entire procedure and provide the necessary Authorization of the procedure.

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### III. Scope

This Installation Qualification Protocol is performed on the Fuji Dri Chem FDC NX 600i vide Serial No. 27033367 located at Biochemistry Laboratory of Vriksh Fertility, Bangalore.

This Protocol defines the documentation that is used to evaluate the instrument installation in accordance with the manufacturer's specification and intended use.

Successful completion of this protocol verifies that this instrument has been installed, operated in accordance with the intended usage.

Installation checks are performed to verify that the instrument has been installed with proper connection and utilities.

Operational qualifications will evaluate that the instrument have operational features available for the successful operation of instrument in accordance with the manufacturer's specifications.

Performance qualification will verify the actual functioning or performance of instrument.

### IV. Certificate of Purchase Order Compliance

I certify to the best of my knowledge. The instrument Fuji Dri Chem FDC NX 600i vide Serial No 27033367 installed on 01/05/2023 is in compliance with the specification of the purchase order.

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## V. Equipment Description

Sr. No.	Instrument Identification		Verified by	Date
1	Equipment Name	<b>Fuji Dri Chem</b>	Sandeep	01 MAY'2023
2	Model	<b>FDC NX 600i</b>	Sandeep	01 MAY'2023
3	Equipment ID.	---	Sandeep	01 MAY'2023
4	Serial No.	<b>27033367</b>	Sandeep	01 MAY'2023
5	Power, Voltage Limit	<b>200VA, 100 – 240 V</b>	Sandeep	01 MAY'2023
6	Electromagnetic Compatibility	<b>Class A (Confers to Part 15 of the FCC Rules)</b>	Sandeep	01 MAY'2023

## VI. Utilities

Sr. No.	Instrument Identification		Verified by	Date
1	Environment Condition		Sandeep	01 MAY'2023
	Free from Dust, electrical & Magnetic Interference	<b>Yes</b>	Sandeep	01 MAY'2023
	Temperature	<b>15 -32°C</b>	Sandeep	01 MAY'2023
	Humidity (RH)	<b>30 to 80%</b>	Sandeep	01 MAY'2023
	Illumination (no vapor condensation)	<b>&lt;6000 lux</b>	Sandeep	01 MAY'2023
If Instrument is to be used with the sample barcode reader illumination should be below 3,000 cd/m <sup>2</sup> (lux)				
2	Adequate Space for Installation	<b>At least 10 cm on the back and both the sides.</b>	Sandeep	01 MAY'2023
3	Electrical Outlets			01 MAY'2023
	Actual Voltage on site	<b>240V</b>	Sandeep	01 MAY'2023

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	Grounding	<2V	Sandeep	01 MAY'2023
	Connected through UPS	Yes	Sandeep	01 MAY'2023
	Stabilizer	---N/A---		

## **VII. The Instrument Has Been Checked For The Following**

Sr. No.	Verification		Verified by	Date
1	Instrument is identified	Yes	Sandeep	01 MAY'2023
2	Manufacturer's specification are included	Yes	Sandeep	01 MAY'2023
3	Accessories/Consumables are listed	Yes	Sandeep	01 MAY'2023
4	Equipment Manual from the Manufacturer	Yes	Sandeep	01 MAY'2023
5	Manufacturer certificate of compliance is attached	Yes	Sandeep	01 MAY'2023

## **VIII. Accessories / Consumables**

The following accessories were supplied with the instrument. Check "Verified by" in case they are found to be in order. Separate list included.

Sr. No.	Description	Qty.	Verified by	Date
1	Accessory Box	1	Sandeep	01 MAY'2023

## **IX. List of Manuals and Certificates**

Supplier provides the following with the instrument

Sr. No.	Description	Qty.
1	Instruction Manual	Available
2	Purchase order	Available
3	Calibration Certificate	Available
4	Instrument / Kit approval certificate	Available
5	Training Records	Available
6	Certificate of Authorization / Training of engineer	Available

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## **X. Maintenance**

The instrument listed within this document will be placed under the control of purchasing institution with respect to proper maintenance procedures as detailed in the operator's manual.

The Maintenance procedures will be filled separately.

A trained analyst using the manuals provided with the instrumentation can perform simple maintenance. Upon expiration of the warranty period vendor will offer several level of maintenance agreements and performance testing services to assist you in maintaining GLP / GMP compliance.

Contacting your local representative and requesting the additional service agreement can supply additional information.

## **XI. Installation Procedure**

### a) Installation of Incubator Chamber

Follow the instructions mentioned in the quick installation guide.

### b) Installation of Instrument

Follow the instructions mentioned in the installation guide.

## **XII. Operational Qualification**

Following features / functions are available in the instrument as per manufacturer's specification and verified for ex. Self-Test. Quality Control, Test Assay, CRP Calibration and Maintenance Checks.

<b>Sr. No.</b>	<b>Description</b>	<b>Test Purpose</b>	<b>Verified by</b>	<b>Date</b>
1	On Board Diluent Test	System Performance	Sandeep	01 MAY'2023
2	Maintenance	Daily, weekly & Monthly	Sandeep	01 MAY'2023
3	Test Assay	Biochemistry	Sandeep	01 MAY'2023
4	Audit Trail	Yes	Sandeep	01 MAY'2023
5	Interfacing Facility	Bi-Directional	Sandeep	01 MAY'2023

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## XIII. Performance Qualification

Performance qualification certificate is provided after checking five data points for Quality Control Level 2 and the complete PQ will be shared as a separate Addendum as per the customer's requirement.

QC Data : Biorad

### QC: LEVEL 1

Parameters	Units	Level 1 - 89701	
		Mean	Range
Albumin	g/dL	6.00	5.6→6.00
ALT/SGPT	U/L	22.0	16-29
AST/SGOT	U/L	37.0	31-43
Bilirubin (Direct)	mg/dL	0.100	<0.100-0.3
Bilirubin (Total)	mg/dL	0.900	0.6-1.2
Calcium	mg/dL	9.60	8.3-10.9
Chloride	mEq/L	95.0	89-102
Cholesterol (HDL)	mg/dL	87.0	70-104
Cholesterol (Total)	mg/dL	244	219-269
Creatinine	mg/dL	1.50	1.1-1.9
Gamma Glutamyltransferase (GGT)	U/L	62.0	51-72
Glucose	mg/dL	67.0	58-77
Potassium	mEq/L	4.00	3.6-4.4
Protein Serum (Total)	g/dL	5.50	4.9-6.1
Sodium	mEq/L	151	146-157
Triglycerides	mg/dL	118	99-137
Urea Nitrogen (BUN)	mg/dL	15.6	13.6-17.5
Uric Acid	mg/dL	4.20	3.6-4.8

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S.NO	Parameter	Level	OV	OV	OV	OV	OV	Mean	SD	CV%
1	ALB	L1	6	6	6	6	6	6.00	0.00	0.00
2	BUN	L1	15.6	15.8	14.8	14.7	16.5	15.48	0.75	4.82
3	CALCIUM	L1	9.1	9.0	8.7	9.1	8.8	8.94	0.18	2.03
4	Cl <sup>-</sup>	L1	97	95	93	94	95	94.80	1.48	1.56
5	Creatinine	L1	1.56	1.49	1.51	1.55	1.58	1.54	0.04	2.41
6	D.BIL	L1	0.1	0.1	0.1	0.1	0.1	0.10	0.00	0.00
7	GGT	L1	62	60	58	58	56	58.80	2.28	3.88
8	GLU	L1	68.0	67.0	64.0	67.0	66.0	66.40	1.517	2.28
9	HDL	L1	81	81	84	81	80	81.40	1.52	1.86
10	K <sup>+</sup>	L1	4.0	4.0	3.9	4.0	4.0	3.98	0.04	1.12
11	NA	L1	153	154	150	154	153	152.80	1.64	1.08
12	SGOT	L1	35	36	34	34	35	34.80	0.84	2.40
13	SGPT	L1	19	19	19	18	19	18.80	0.45	2.38
14	T.BIL	L1	0.80	0.75	0.80	0.80	0.75	0.78	0.03	3.51
15	T.Protein	L1	5.3	5.4	5.2	5.1	5.3	5.26	0.11	2.17
16	TCHOL	L1	253	258	255	259	255	256.00	2.45	0.96
17	TGL	L1	122	123	123	121	122	122.20	0.84	0.68
18	U.ACID	L1	4.3	4.3	4.2	4.2	4.2	4.24	0.05	1.29

Note: OV-Obtained value

## Conclusion:

Performance Qualification of Fuji Dri Chem Analyser NX 600i installed at Vriksh Fertility, Bangalore was done on the basis of 18 QC results.

QC Check results show parameter within acceptable range.

CV % found within acceptable range.

**QC Results**

**- Pass**

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## Certificate of Training

### 1. Technician Training

This certifies that the technicians listed below have received basic user training for the System described.

<b>Sr. No.</b>	<b>Training Program</b>	<b>Initials</b>	<b>Date</b>
1	Instrument Setup	Sandeep	01 MAY'2023
2	System Operation	Sandeep	01 MAY'2023
3	Basic Troubleshooting	Sandeep	01 MAY'2023

Training Given by : Sandeep

Training Attended by :

1. Dr. Anuja Dasgupta
2. Mr.Srikar Dhatrak
3. Ms. Ranjitha K

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# FUJIFILM

## Validation Team From Vendor

**Name** : Mr. Sandeep  
**Designation** : Service Engineer  
**Signature** :  
**Date** : 01/05/2023  
**Company** : Fujifilm India Pvt. Ltd

## Validation Team From Clinical Lab

**Name** : Mr.Srikar Dhatrak  
**Designation** : Lab incharge  
**Signature** :  
**Date** : 01/05/2023  
**Department** : Vriksh Fertility,Bangalore.

## Customer Authorization

**Name** : Dr.Anuja Dasgupta  
**Designation** : Pathologist  
**Signature** :  
**Date** : 01/05/2023  
**Company** : Vriksh Fertility,Bangalore.

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27-05-2023 12:53

No. 1

(C)

ID=BIORAD

QP-L 89701

BUN -PS #

= 15.6 mg/dl

OBIL-PS #

= 0.1 mg/dl

( 0.1- 0.3)

IBIL-PS #

= 0.9 mg/dl

( 0.6- 1.2)

TG -PS #

= 122 mg/dl

( 99- 137)

TP -PS #

= 5.3 g/dl

( 4.9- 6.1)

HDLC-PS #

= 81 mg/dl

( 70- 104)

TCHO-PS #

= 253 mg/dl

( 219- 269)

ALB -PS #

> 6.0 g/dl

( 5.6- 6.0)

Ca -PS #

= 9.1 mg/dl

( 8.3- 10.9)

UA -PS #

= 4.3 mg/dl

GOT -PS #

= 35 U/l

( 31- 43)

GLU -PS #

= 68 mg/dl

( 58- 77)

GPT -PS #

= 19 U/l

( 16- 29)

GGT -PS #

= 62 U/l

( 51- 72)

CRE -PS #

= 1.56 mg/dl

( 1.10- 1.90)

ALP -PS H #

= 141 U/l

( 37- 59)

GOT -PS #

= 36 U/l

( 31- 43)

Na -PS #

= 153 mEq/l

( 146- 157)

K -PS #

= 4.0 mEq/l

( 3.6- 4.4)

Cl -PS #

= 97 mEq/l

( 89- 102)



28-05-2023 12:50  
 No. 5 (C)  
 ID=BIORAD  
 QP-L 89701  
 Na -PS = 154 mEq/l  
 ( 146- 157)  
 K -PS = 4.0 mEq/l  
 ( 3.6- 4.4)  
 Cl -PS = 95 mEq/l  
 ( 89- 102)

28-05-2023 12:48  
 No. 1 (C)  
 ID=BIORAD  
 QP-L 89701  
 Ca -PS #  
 = 9.0 mg/dl  
 ( 8.3- 10.9)  
 HOLC-PS #  
 = 81 mg/dl  
 ( 70- 104)  
 TG -PS #  
 = 123 mg/dl  
 ( 99- 137)  
 TCHO-PS #  
 = 258 mg/dl  
 ( 219- 269)  
 BUN -PS #  
 = 15.8 mg/dl  
 ( 13.6- 17.5)  
 UA -PS #  
 = 4.3 mg/dl  
 ( 3.6- 4.8)  
 CRE -PS #  
 = 1.49 mg/dl  
 ( 1.10- 1.90)  
 ALB -PS #  
 > 6.0 g/dl  
 ( 5.6- 6.0)  
 TP -PS #  
 = 5.4 g/dl  
 ( 4.9- 6.1)  
 ALP -PS H #  
 = 166 U/l  
 ( 37- 59)  
 GGT -PS #  
 = 60 U/l  
 ( 51- 72)  
 GPT -PS #  
 = 19 U/l  
 ( 16- 29)  
 GOT -PS #  
 = 36 U/l  
 ( 31- 43)  
 DBIL-PS @ #  
 = 0.1 mg/dl  
 ( 0.1- 0.3)  
 TBIL-PS #  
 = 0.7 mg/dl  
 ( 0.6- 1.2)  
 GLU -PS #  
 = 67 mg/dl  
 ( 58- 77)

No. 3

ID=BIORAD

QP-L

89701

GLU -PS

#

= 64 mg/dl  
( 58- 77)

CRE -PS

#

= 1.51 mg/dl  
( 1.10- 1.90)

UA -PS

#

= 4.2 mg/dl  
( 3.6- 4.8)

BUN -PS

#

= 14.8 mg/dl  
( 13.6- 17.5)

Ca -PS

#

= 8.7 mg/dl  
( 8.3- 10.9)

TBIL-PS

#

= 0.8 mg/dl  
( 0.6- 1.2)

DBIL-PS

#

= 0.1 mg/dl  
( 0.1- 0.3)

GOT -PS

#

= 34 U/l  
( 31- 43)

GPT -PS

#

= 19 U/l  
( 16- 29)

ALP -PS H

#

= 140 U/l  
( 37- 59)

GGT -PS

#

= 58 U/l  
( 51- 72)

TP -PS

#

= 5.2 g/dl  
( 4.9- 6.1)

ALB -PS

#

> 6.0 g/dl  
( 5.6- 6.0)

TCHO-PS

#

= 255 mg/dl  
( 219- 269)

TG -PS

#

= 121 mg/dl  
( 99- 137)

HDLC-PS

#

= 84 mg/dl  
( 70- 104)

Na -PS

#

= 150 mEq/l  
( 146- 157)

K -PS

#

= 3.9 mEq/l  
( 3.6- 4.4)

Cl -PS

#

= 93 mEq/l  
( 89- 102)

30-05-2023 09:49

(C)

No. 1

ID=BIORAD

QP-L

89701

Ca -PS

#

= 9.1 mg/dl  
( 8.3- 10.9)

GLU -PS

#

= 67 mg/dl  
( 58- 77)

TCHO-PS

#

= 259 mg/dl  
( 219- 269)

TG -PS

#

= 120 mg/dl  
( 99- 137)

HDLC-PS

#

= 81 mg/dl  
( 70- 104)

BUN -PS

#

= 14.7 mg/dl  
( 13.6- 17.5)

CRE -PS

#

= 1.55 mg/dl  
( 1.10- 1.90)

UA -PS

#

= 4.2 mg/dl  
( 3.6- 4.8)

TBIL-PS

#

= 0.8 mg/dl  
( 0.6- 1.2)

DBIL-PS

@

#

= 0.1 mg/dl  
( 0.1- 0.3)

GOT -PS

#

= 34 U/l  
( 31- 43)

GPT -PS

#

= 18 U/l  
( 16- 29)

ALP -PS

H

#

= 143 U/l  
( 37- 59)

GGT -PS

#

= 58 U/l  
( 51- 72)

TP -PS

#

= 5.1 g/dl  
( 4.9- 6.1)

ALB -PS

#

> 6.0 g/dl  
( 6.6- 6.0)

30-05-2023 09:53

(C)

No. 6

ID=BIORAD

QP-L

89701

Na -PS

= 154 mEq/l

( 146- 157)

K -PS

= 4.0 mEq/l

( 3.6- 4.4)

Cl -PS

= 94 mEq/l

( 89- 102)

31-05-2023 11:53 (C)  
 No. 2  
 ID=BIORAD  
 QP-L 89701  
 Na -PS #  
 = 153 mEq/l  
 ( 146- 157)  
 K -PS #  
 = 4.0 mEq/l  
 ( 3.6- 4.4)  
 Cl -PS #  
 = 95 mEq/l  
 ( 89- 102)

31-05-2023 11:00 (C)  
 No. 1  
 ID=BIORAD  
 QP-L 89701  
 Na -PS L #  
 = ~~131~~ mEq/l  
 ( ~~146~~ 157)  
 K -PS L #  
 = ~~3.4~~ mEq/l  
 ( ~~3.6~~ 4.4)  
 Cl -PS L #  
 = ~~78~~ mEq/l  
 ( ~~88~~ 102)  
 GLU -PS #  
 = 66 mg/dl  
 ( 58- 77)  
 Ca -PS #  
 = 8.8 mg/dl  
 ( 8.3- 10.9)  
 TCHO-PS #  
 = 255 mg/dl  
 ( 219- 269)  
 TG -PS #  
 = 122 mg/dl  
 ( 99- 137)  
 HDLC-PS #  
 = 80 mg/dl  
 ( 70- 104)  
 BUN -PS #  
 = 16.5 mg/dl  
 ( 13.6- 17.5)  
 CRE -PS #  
 = 1.58 mg/dl  
 ( 1.10- 1.90)  
 UA -PS #  
 = 4.2 mg/dl  
 ( 3.6- 4.8)  
 TBIL-PS #  
 = 0.7 mg/dl  
 ( 0.6- 1.2)  
 DBIL-PS #  
 = 0.1 mg/dl  
 ( 0.1- 0.3)  
 GOT -PS #  
 = 35 U/l  
 ( 31- 43)  
 GPT -PS #  
 = 19 U/l  
 ( 16- 29)  
 ALP -PS H #  
 = 141 U/l  
 ( 37- 59)  
 GGT -PS #  
 = 56 U/l  
 ( 51- 72)  
 TP -PS #  
 = 5.3 g/dl  
 ( 4.9- 6.1)  
 ALB -PS #

27-05-2023 12:53

No. 1

(C)

ID=BIORAD

QP-L 89701

BUN -PS #

= 15.6 mg/dl

OBIL-PS #

= 0.1 mg/dl

( 0.1- 0.3)

IBIL-PS #

= 0.9 mg/dl

( 0.6- 1.2)

TG -PS #

= 122 mg/dl

( 99- 137)

TP -PS #

= 5.3 g/dl

( 4.9- 6.1)

HDLC-PS #

= 81 mg/dl

( 70- 104)

TCHO-PS #

= 253 mg/dl

( 219- 269)

ALB -PS #

> 6.0 g/dl

( 5.6- 6.0)

Ca -PS #

= 9.1 mg/dl

( 8.3- 10.9)

UA -PS #

= 4.3 mg/dl

GOT -PS #

= 35 U/l

( 31- 43)

GLU -PS #

= 68 mg/dl

( 58- 77)

GPT -PS #

= 19 U/l

( 16- 29)

GGT -PS #

= 62 U/l

( 51- 72)

CRE -PS #

= 1.56 mg/dl

( 1.10- 1.90)

ALP -PS H #

= 141 U/l

( 37- 59)

GOT -PS #

= 36 U/l

( 31- 43)

Na -PS #

= 153 mEq/l

( 146- 157)

K -PS #

= 4.0 mEq/l

( 3.6- 4.4)

Cl -PS #

= 97 mEq/l

( 89- 102)

28-05-2023 12:50  
No. 5 (C)  
ID=BIORAD  
QP-L 89701  
Na -PS = 154 mEq/l  
( 146- 157)  
K -PS = 4.0 mEq/l  
( 3.6- 4.4)  
Cl -PS = 95 mEq/l  
( 89- 102)

28-05-2023 12:48  
No. 1 (C)  
ID=BIORAD  
QP-L 89701  
Ca -PS #  
= 9.0 mg/dl  
( 8.3- 10.9)  
HOLC-PS #  
= 81 mg/dl  
( 70- 104)  
TG -PS #  
= 123 mg/dl  
( 99- 137)  
TCHO-PS #  
= 258 mg/dl  
( 219- 269)  
BUN -PS #  
= 15.8 mg/dl  
( 13.6- 17.5)  
UA -PS #  
= 4.3 mg/dl  
( 3.6- 4.8)  
CRE -PS #  
= 1.49 mg/dl  
( 1.10- 1.90)  
ALB -PS #  
> 6.0 g/dl  
( 5.6- 6.0)  
TP -PS #  
= 5.4 g/dl  
( 4.9- 6.1)  
ALP -PS H #  
= 166 U/l  
( 37- 59)  
GGT -PS #  
= 60 U/l  
( 51- 72)  
GPT -PS #  
= 19 U/l  
( 16- 29)  
GOT -PS #  
= 36 U/l  
( 31- 43)  
DBIL-PS @ #  
= 0.1 mg/dl  
( 0.1- 0.3)  
TBIL-PS #  
= 0.7 mg/dl  
( 0.6- 1.2)  
GLU -PS #  
= 67 mg/dl  
( 58- 77)

No. 3

ID=BIORAD

QP-L

89701

GLU -PS

#

= 64 mg/dl  
( 58- 77)

CRE -PS

#

= 1.51 mg/dl  
( 1.10- 1.90)

UA -PS

#

= 4.2 mg/dl  
( 3.6- 4.8)

BUN -PS

#

= 14.8 mg/dl  
( 13.6- 17.5)

Ca -PS

#

= 8.7 mg/dl  
( 8.3- 10.9)

TBIL-PS

#

= 0.8 mg/dl  
( 0.6- 1.2)

DBIL-PS

#

= 0.1 mg/dl  
( 0.1- 0.3)

GOT -PS

#

= 34 U/l  
( 31- 43)

GPT -PS

#

= 19 U/l  
( 16- 29)

ALP -PS H

#

= 140 U/l  
( 37- 59)

GGT -PS

#

= 58 U/l  
( 51- 72)

TP -PS

#

= 5.2 g/dl  
( 4.9- 6.1)

ALB -PS

#

> 6.0 g/dl  
( 5.6- 6.0)

TCHO-PS

#

= 255 mg/dl  
( 219- 269)

TG -PS

#

= 121 mg/dl  
( 99- 137)

HDLC-PS

#

= 84 mg/dl  
( 70- 104)

Na -PS

#

= 150 mEq/l  
( 146- 157)

K -PS

#

= 3.9 mEq/l  
( 3.6- 4.4)

Cl -PS

#

= 93 mEq/l  
( 89- 102)

30-05-2023 09:49

(C)

No. 1

ID=BIORAD

QP-L

89701

Ca -PS

#

= 9.1 mg/dl  
( 8.3- 10.9)

GLU -PS

#

= 67 mg/dl  
( 58- 77)

TCHO-PS

#

= 259 mg/dl  
( 219- 269)

TG -PS

#

= 120 mg/dl  
( 99- 137)

HDLC-PS

#

= 81 mg/dl  
( 70- 104)

BUN -PS

#

= 14.7 mg/dl  
( 13.6- 17.5)

CRE -PS

#

= 1.55 mg/dl  
( 1.10- 1.90)

UA -PS

#

= 4.2 mg/dl  
( 3.6- 4.8)

TBIL-PS

#

= 0.8 mg/dl  
( 0.6- 1.2)

DBIL-PS

@

#

= 0.1 mg/dl  
( 0.1- 0.3)

GOT -PS

#

= 34 U/l  
( 31- 43)

GPT -PS

#

= 18 U/l  
( 16- 29)

ALP -PS

H

#

= 143 U/l  
( 37- 59)

GGT -PS

#

= 58 U/l  
( 51- 72)

TP -PS

#

= 5.1 g/dl  
( 4.9- 6.1)

ALB -PS

#

> 6.0 g/dl  
( 6.6- 6.0)

30-05-2023 09:53

(C)

No. 6

ID=BIORAD

QP-L

89701

Na -PS

= 154 mEq/l

( 146- 157)

K -PS

= 4.0 mEq/l

( 3.6- 4.4)

Cl -PS

= 94 mEq/l

( 89- 102)



31-05-2023 11:53 (C)  
 No. 2  
 ID=BIORAD  
 QP-L 89701  
 Na -PS #  
 = 153 mEq/l  
 ( 146- 157)  
 K -PS #  
 = 4.0 mEq/l  
 ( 3.6- 4.4)  
 Cl -PS #  
 = 95 mEq/l  
 ( 89- 102)

31-05-2023 11:00 (C)  
 No. 1  
 ID=BIORAD  
 QP-L 89701  
 Na -PS L #  
 = ~~131~~ mEq/l  
 ( ~~146~~ 157)  
 K -PS L #  
 = ~~3.4~~ mEq/l  
 ( ~~3.6~~ 4.4)  
 Cl -PS L #  
 = ~~78~~ mEq/l  
 ( ~~88~~ 102)  
 GLU -PS #  
 = 66 mg/dl  
 ( 58- 77)  
 Ca -PS #  
 = 8.8 mg/dl  
 ( 8.3- 10.9)  
 TCHO-PS #  
 = 255 mg/dl  
 ( 219- 269)  
 TG -PS #  
 = 122 mg/dl  
 ( 99- 137)  
 HDLC-PS #  
 = 80 mg/dl  
 ( 70- 104)  
 BUN -PS #  
 = 16.5 mg/dl  
 ( 13.6- 17.5)  
 CRE -PS #  
 = 1.58 mg/dl  
 ( 1.10- 1.90)  
 UA -PS #  
 = 4.2 mg/dl  
 ( 3.6- 4.8)  
 TBIL-PS #  
 = 0.7 mg/dl  
 ( 0.6- 1.2)  
 DBIL-PS #  
 = 0.1 mg/dl  
 ( 0.1- 0.3)  
 GOT -PS #  
 = 35 U/l  
 ( 31- 43)  
 GPT -PS #  
 = 19 U/l  
 ( 16- 29)  
 ALP -PS H #  
 = 141 U/l  
 ( 37- 59)  
 GGT -PS #  
 = 56 U/l  
 ( 51- 72)  
 TP -PS #  
 = 5.3 g/dl  
 ( 4.9- 6.1)  
 ALB -PS #

14-09-2024 09:56

No. 1

ID=BL2 89722

[-]

TCHO-PS = 109 mg/dl  
TG -PS = 66 mg/dl  
HDL-C-PS = 35 mg/dl  
UREA-PS = 100.1 mg/dl  
CRE -PS = 4.44 mg/dl  
UA -PS = 10.2 mg/dl  
Ca -PS = 11.8 mg/dl  
GLU -PS = 237 mg/dl  
TBIL-PS = 3.4 mg/dl  
DBIL-PS = 1.4 mg/dl  
ALP -PS = 322 U/l  
GGT -PS = 200 U/l  
GOT -PS = 193 U/l

---

14-09-2024 18:29

No. 3

ID=BL2 89722

[-]

GPT -PS = 81 U/l  
TP -PS = 3.5 g/dl  
ALB -PS = 4.3 g/dl  
Na -PS = 132 mEq/l  
K -PS = 6.2 mEq/l  
Cl -PS = 85 mEq/l

---

11-09-2024 14:38

No. 1

ID=BL2 89722

[-]

Na -PS = 132 mEq/l  
K -PS = 6.2 mEq/l  
Cl -PS = 85 mEq/l

TBIL-PS = 3.5 mg/dl  
DBIL-PS = 1.4 mg/dl  
GGT -PS = 201 U/l  
ALP -PS = 331 U/l  
GOT -PS = 195 U/l  
GPT -PS = 78 U/l  
TP -PS = 3.6 g/dl  
ALB -PS = 4.3 g/dl  
GLU -PS = 241 mg/dl  
UREA-PS = 96.4 mg/dl  
CRE -PS = 4.76 mg/dl  
UA -PS = 10.0 mg/dl  
Ca -PS = 11.7 mg/dl  
TCHO-PS = 104 mg/dl  
TG -PS = 66 mg/dl  
HDL-C-PS = 34 mg/dl

---

09-08-2024 18:06

No ?

ID=BIO-RAD (1)

[-]

Na -PS = 150 mEq/l

K -PS = 3.9 mEq/l

Cl -PS = 94 mEq/l

GLU -PS = 70 mg/dl

TBIL-PS = 1.0 mg/dl

DBIL-PS = 0.2 mg/dl

GOT -PS = 42 U/l

GPT -PS = 21 U/l

ALP -PS = 52 U/l ✓

TP -PS = 5.5 g/dl

ALB -PS > 6.0 g/dl ✓

GGT -PS = 55 U/l

UREA-PS = 33.9 mg/dl

CRE -PS = 1.51 mg/dl ✓

UA -PS = 4.6 mg/dl

Ca -PS = 10.1 mg/dl

TCHO-PS = 267 mg/dl

TG -PS = 150 mg/dl

HDLC-PS = 85 mg/dl

---