



RML – Quality Assurance Program (RML – QAP)



Urine Routine Analysis

ALL METHOD REPORT

Lab Code: 2432

Cycle - 11/2022
Round No -10

Date: 20/10/2022

Parameters	Units	No.of. Participants	Consensus		Consensus Result	Your Value	Remark
			Number	%			
Specific Gravity	-	253	200	79%	1.010-1.020	1.020	Within Consensus
pH	-	260	211	81%	7.0-8.0	7.0	Within Consensus
Leukocytes	/ μ l	251	187	75%	2+3+	3+	Within Consensus
Nitrite	-	249	249	86%	Positive	Positive	Within Consensus
Protein	mg/dl	258	189	73%	2+3+	3+	Within Consensus
Glucose	mg/dl	256	224	88%	2+4+	3+	Within Consensus
Ketones	-	258	224	87%	1+3+	1+	Within Consensus
Urobilinogen	mg/dl	256	180	70%	2+3+	2+	Within Consensus
Bilirubin	mg/dl	255	239	94%	2+3+	3+	Within Consensus
Blood (Hemoglobin)	/ μ l	256	227	89%	3+5+	3+	Within Consensus

Legends	$\geq 60\%$ Consensus	(*) Outside Consensus	(@) No Consensus	(.) Not Reported	(#)Late Result Submission
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Chief Coordinator

Dr.Sanjay Mehrotra

Programme Director

Dr.Bandana Mehrotra

Checked By:

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Prepared By: SS

Doc. No.: ASS /FB / 10 / R 01 / Dt.: 05.01.2022



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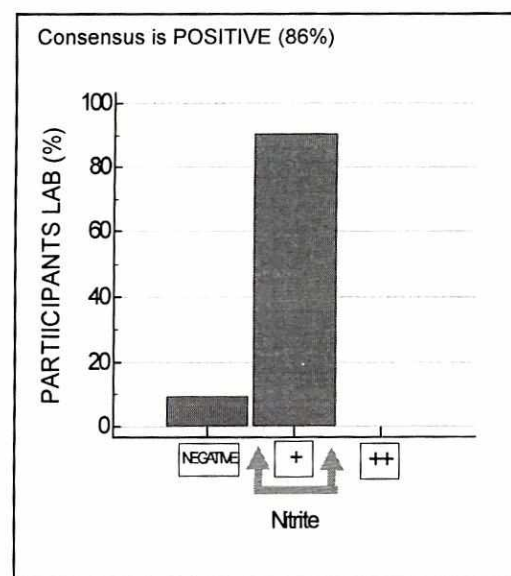
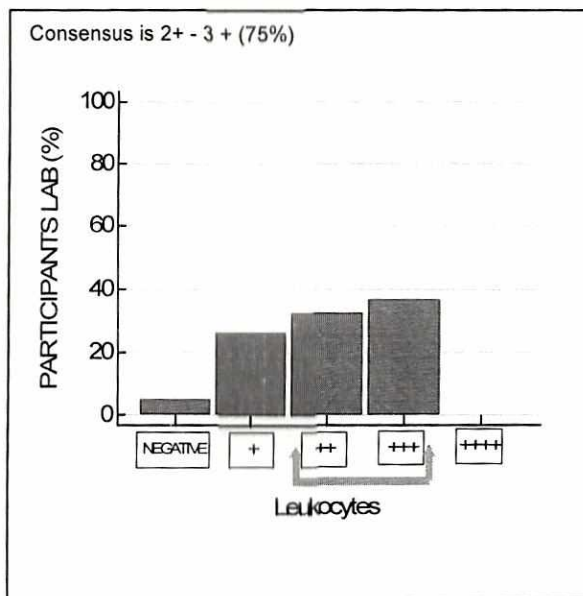
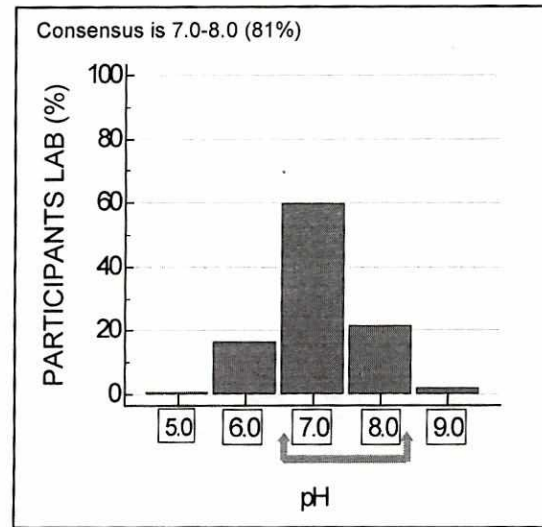
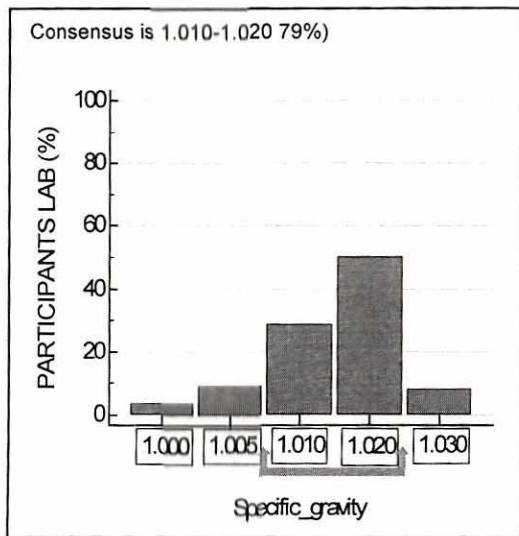
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URINE ROUTINE ANALYSIS

GRAPHICAL REPORT

Cycle - 11/2022
Round-10

Date:20/10/2022

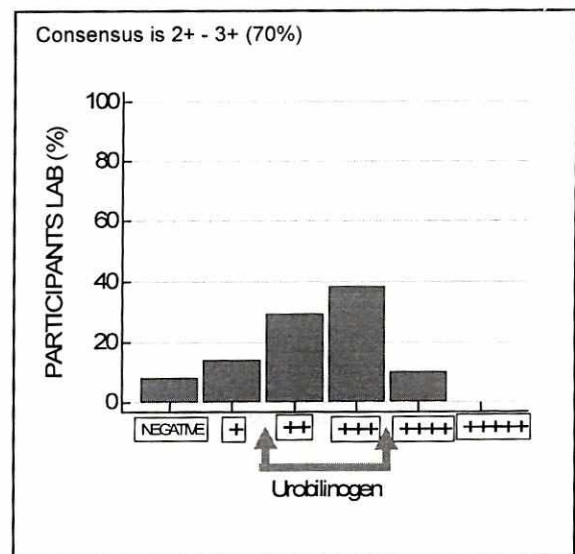
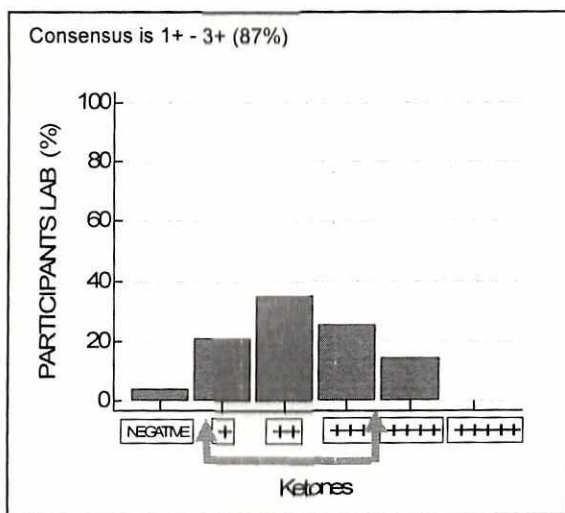
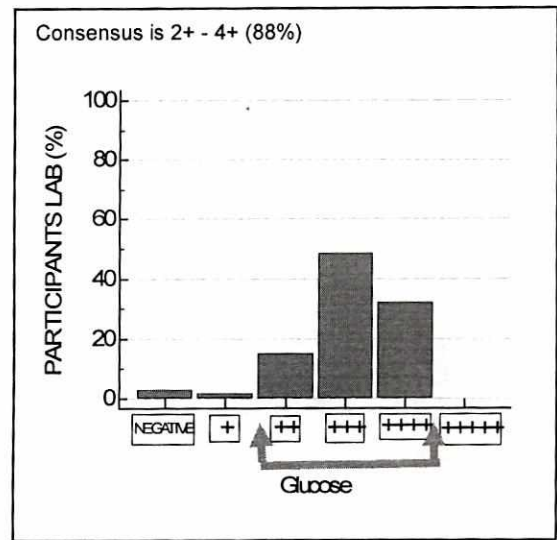
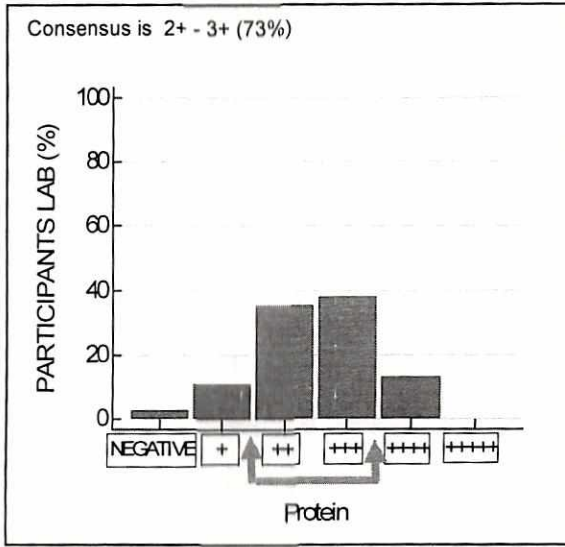


URINE ROUTINE ANALYSIS

GRAPHICAL REPORT

Cycle - 11/2022
Round-10

Date:20/10/2022

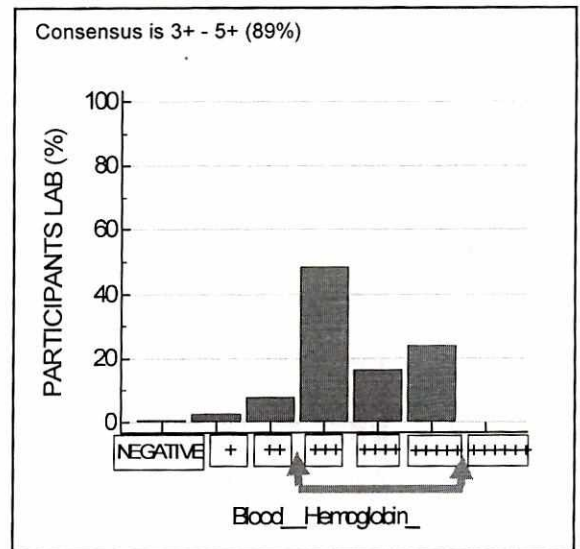
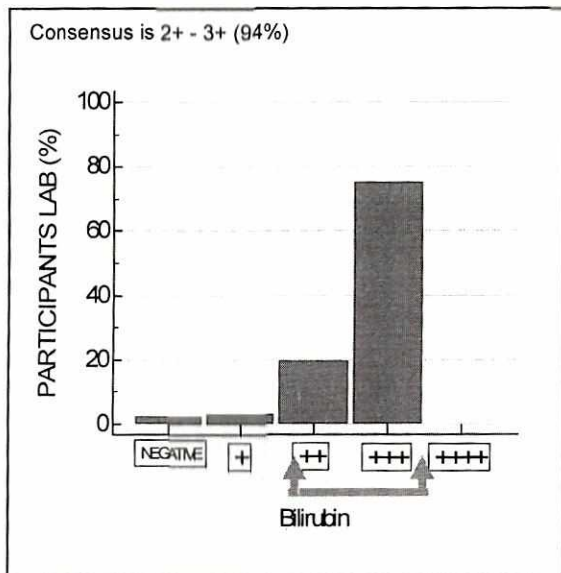


URINE ROUTINE ANALYSIS

GRAPHICAL REPORT

Cycle - 11/2022
Round-10

Date:20/10/2022





BIO-CHEMISTRY-01

ALL METHOD REPORT

Lab Code: 2432

Cycle - 11/2022

Round No - 10

Date: 20/10/2022

Parameters	Units	No.of. Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	231	2.9	0.2	0.02	2.5-3.4	3.0	0.4
Alkaline Phosphatase	U/L	223	319.6	75.3	6.30	169.0-470.2	339	0.3
Bilirubin Total	mg/dL	232	5.0	0.5	0.04	4.0-6.0	5.2	0.4
Calcium(Total)	mg/dL	204	12.4	0.8	0.07	10.7-14.0	12.5	0.2
Cholesterol (Total)	mg/dL	227	271.1	15.9	1.32	239.3-302.8	277	0.4
Creatinine	mg/dL	236	4.2	0.4	0.03	3.5-4.9	4.2	0.1
Glucose	mg/dL	234	259.8	17.6	1.44	224.6-294.9	256	-0.2
HDL	mg/dL	216	86.1	31.6	2.69	22.9-149.2	47.9	-1.2
Potassium	mEq/L	194	5.8	0.3	0.03	5.2-6.4	5.7	-0.3
Protein (Total)	g/dl	227	4.6	0.3	0.03	3.9-5.3	4.6	0.0
Sodium	mEq/L	194	155.1	4.7	0.42	145.7-164.4	154	-0.2
SGPT/ALT	U/L	230	123.9	13.1	1.08	97.7-150.0	129	0.4
SGOT/AST	U/L	229	129.7	13.7	1.13	102.2-157.2	140	0.8
Triglyceride	mg/dL	225	250.0	17.2	1.43	215.6-284.4	262	0.7
Urea	mg/dL	235	114.5	10.0	0.81	94.6-134.4	115	0.1
Uric Acid	mg/dl	232	9.2	0.7	0.06	7.7-10.6	7.7	-2.1

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Legends	(*) Excluded From Group	{ } Not Reported	(#) Late Result	(\$) Reported in
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Chief Coordinator

Dr. Sanjay Mehrotra

Checked By

Prepared by: SS

Programme Director

Dr. Bandana Mehrotra

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Doc. No.: ASS / FR / 03 / R 01 / Dt.: 05.01.2022



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RML – Quality Assurance Program (RML – QAP)



BIO-CHEMISTRY

METHOD WISE REPORT

Cycle - 11/2022

Round No - 10

Date: 20/10/2022

Lab Code: 2432

Note: Your Lab is not the part of this method group

Parameters	Units	Method Group	No.of. Participants in Group	Method Wise Group Mean	Method Wise Standard deviation (SD)	Method Wise Uncertainty of Assign Values	Method Wise Range (± 2 SD)	Your Value	Method Wise Standard Deviation Index (SDI)
Albumin	g/dL	Bromocresal Green (BCG)	104	2.9	0.3	0.03	2.4-3.5	-	-
Alkaline Phosphatase	U/L	PNPP, AMP Buffer	70	310.7	63.4	9.47	183.9-437.5	-	-
Bilirubin Total	mg/dL	Diazonium Ion	61	5.0	0.6	0.09	3.9-6.1	-	-
Calcium(Total)	mg/dL	Arsenazo iii	59	12.4	0.9	0.15	10.6-14.2	-	-
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	70	273.1	15.3	2.28	242.5-303.7	-	-
Creatinine	mg/dL	Enzymatic	43	4.4	0.3	0.05	3.8-4.9	-	-
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	42	263.5	13.0	2.51	237.5-289.5	-	-
HDL	mg/dL	Direct measure-PEG	32	88.9	37.4	8.26	14.1-163.6	-	-
Potassium	mEq/L	ISE Direct	67	5.8	0.3	0.04	5.2-6.3	-	-
Protein (Total)	g/dl	Biuret, reagent blank, end point	41	4.5	0.3	0.06	3.9-5.2	-	-
Sodium	mEq/L	ISE Direct	69	155.6	3.7	0.56	148.1-163.1	-	-
SGPT/ALT	U/L	UV without PSP	43	122.0	9.9	1.88	102.3-141.7	-	-
SGOT/AST	U/L	UV without PSP	42	124.4	9.8	1.88	104.9-144.0	-	-
Triglyceride	mg/dL	Enzymatic, end point	39	250.5	16.2	3.24	218.1-282.9	-	-
Urea	mg/dL	Urease, UV	54	113.7	10.1	1.71	93.6-133.8	-	-
Uric Acid	mg/dl	Uricase, Colorimetric	73	9.0	0.6	0.09	7.9-10.2	-	-

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Legends	(*) Excluded From Group Mean	[.] Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

Prepared by: SS

Programme Director

Dr.Bandana Mehrotra

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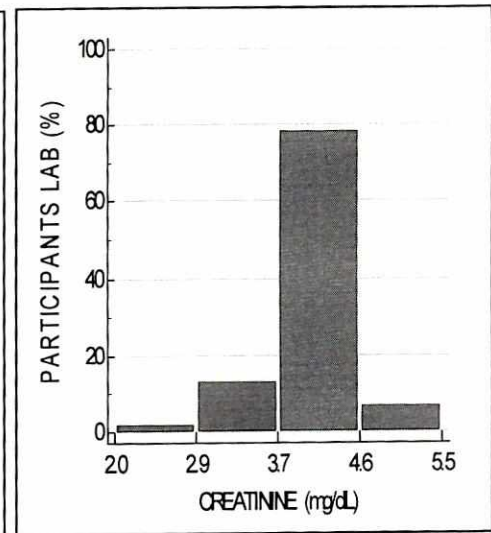
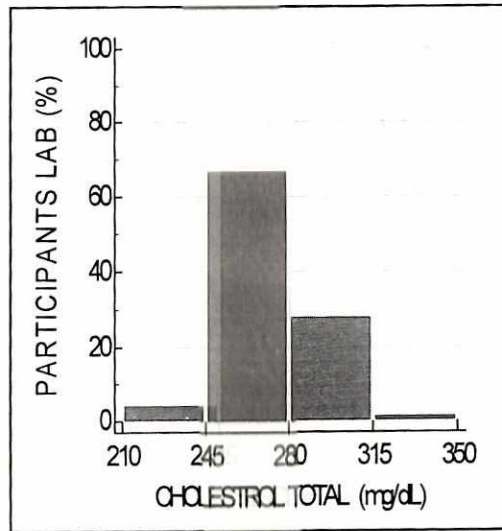
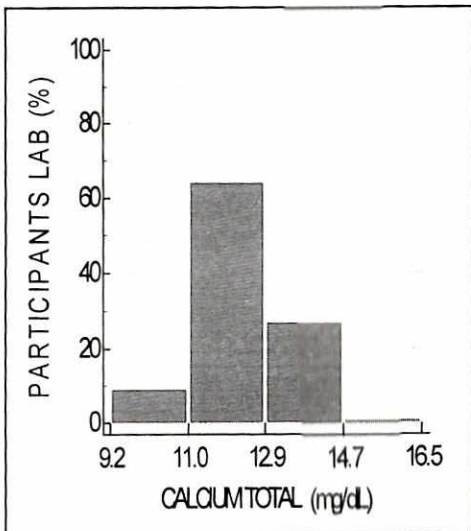
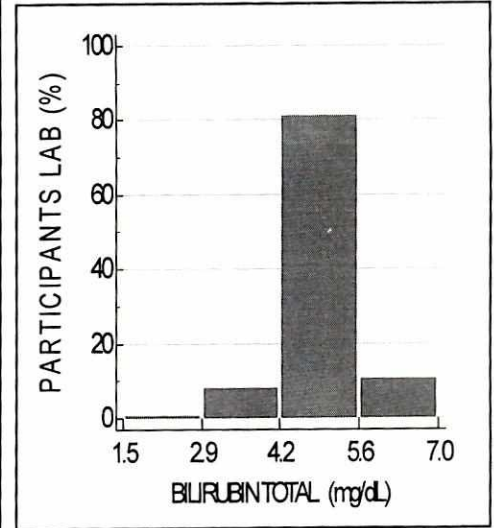
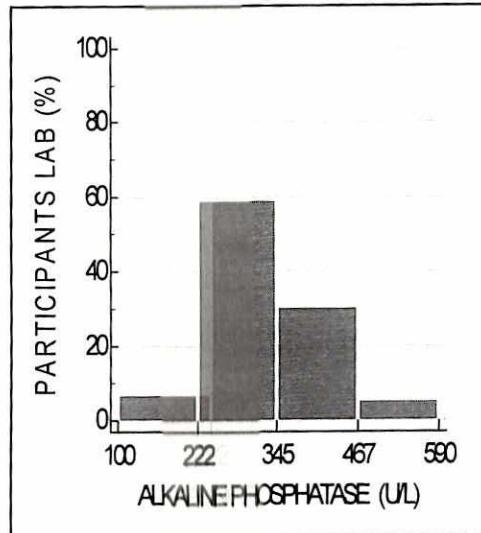
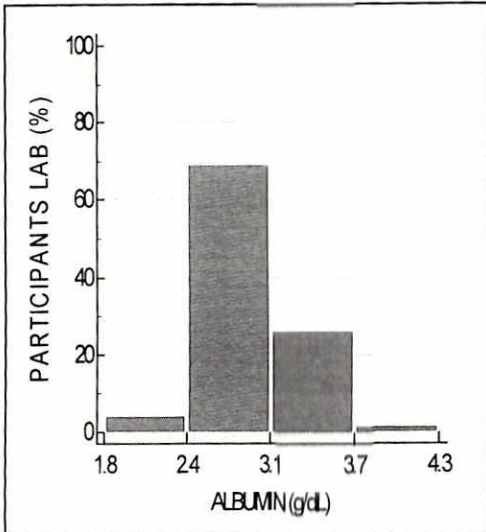


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-10

Date:20/10/2022

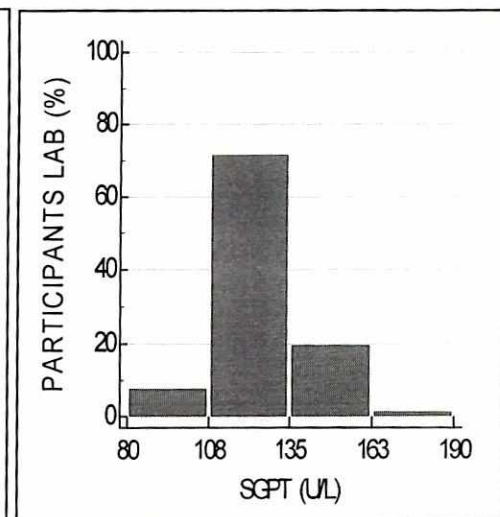
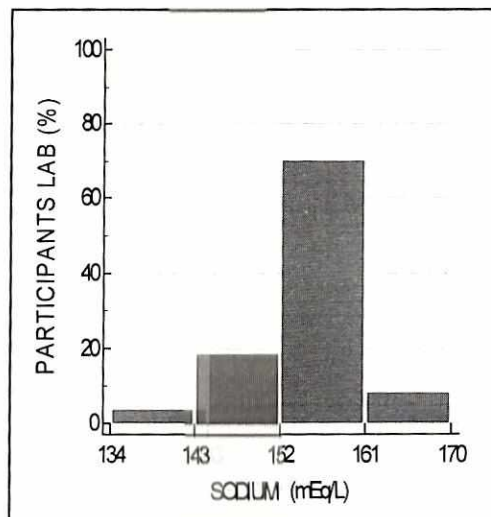
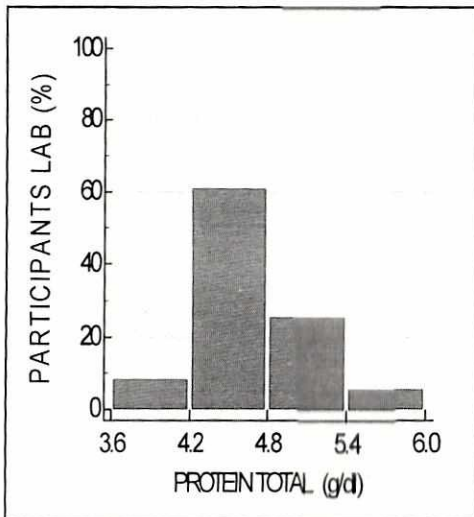
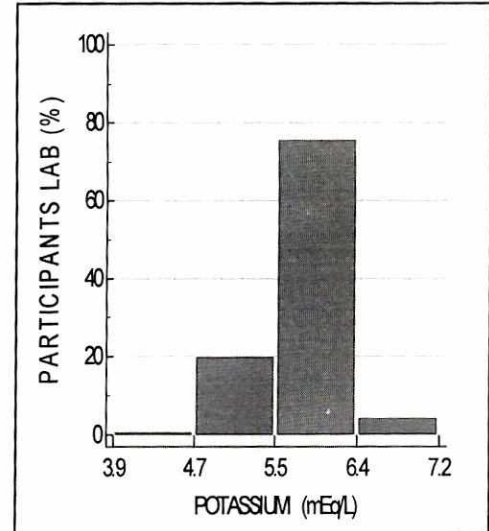
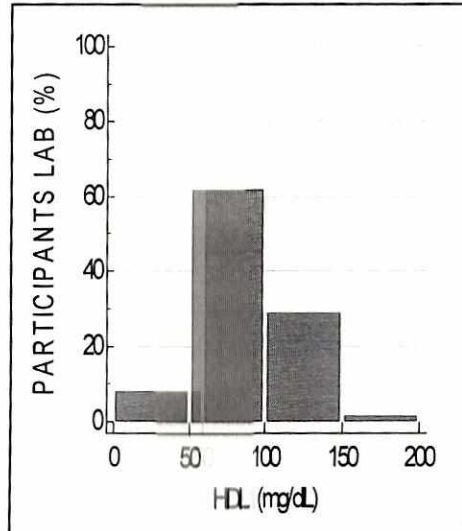
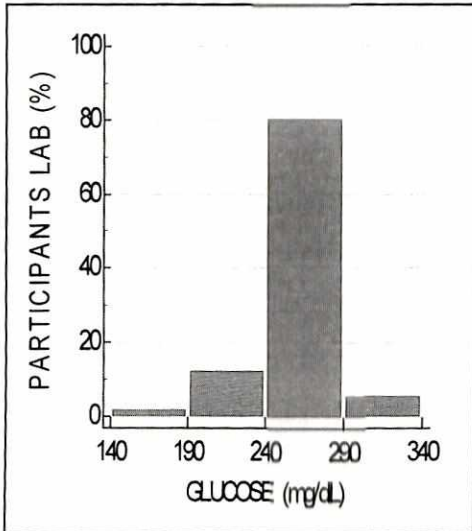


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-10

Date:20/10/2022

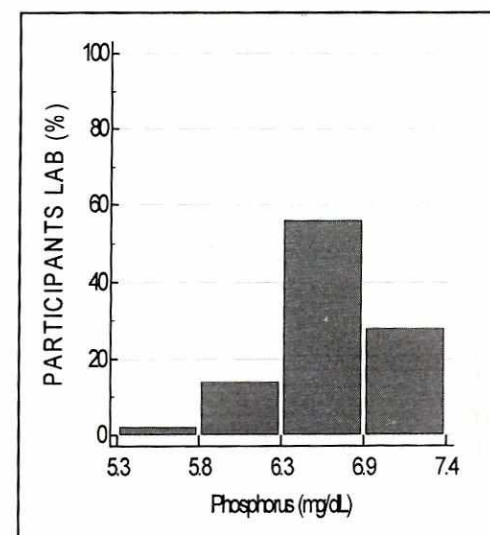
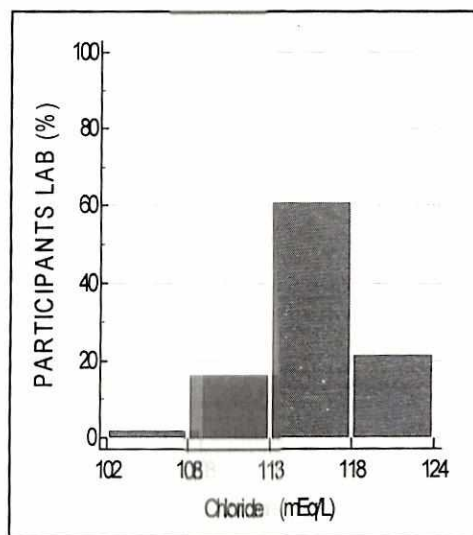
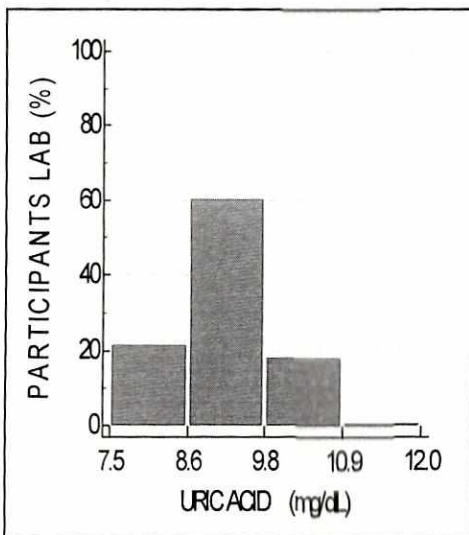
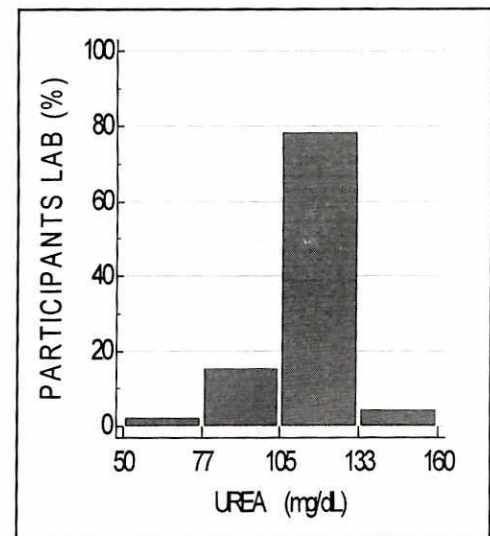
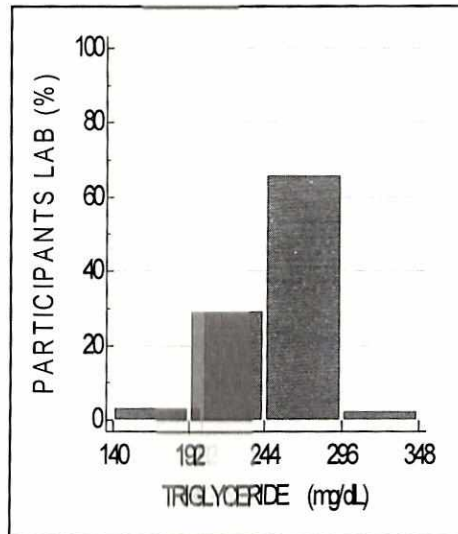
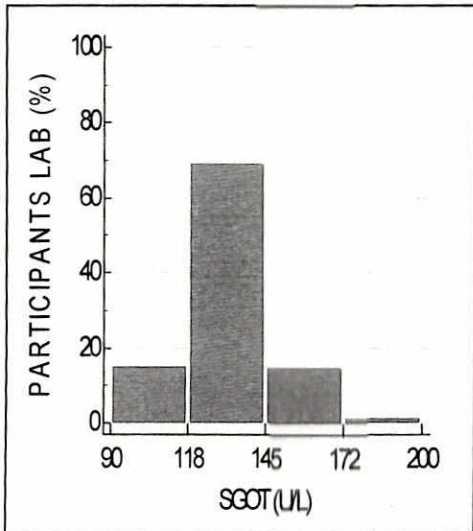


BIO-CHEMISTRY

GRAPHICAL REPORT

**Cycle - 11/2022
Round-10**

Date:20/10/2022



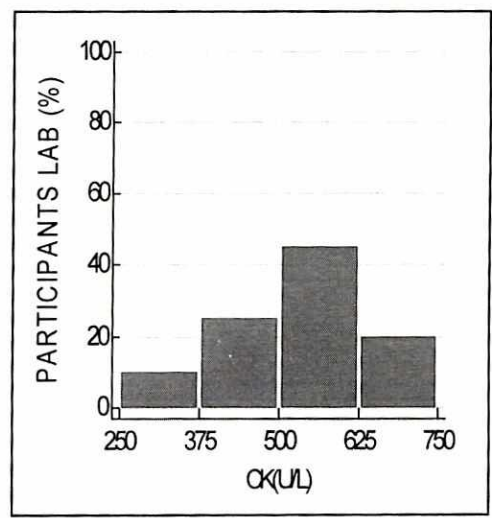
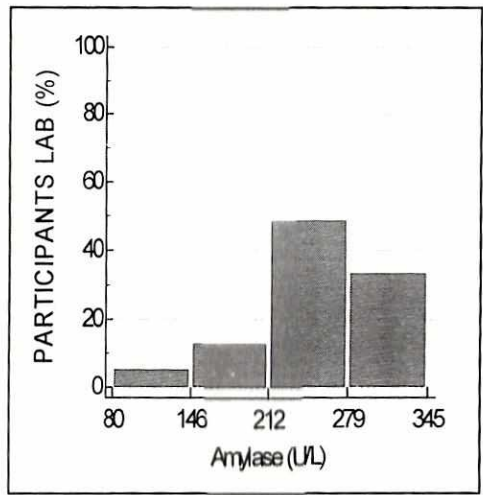
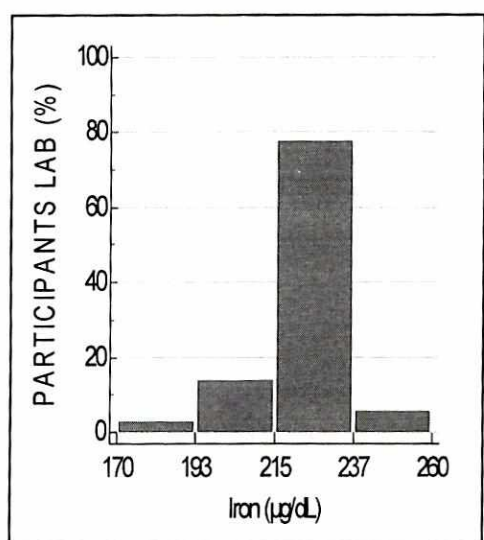
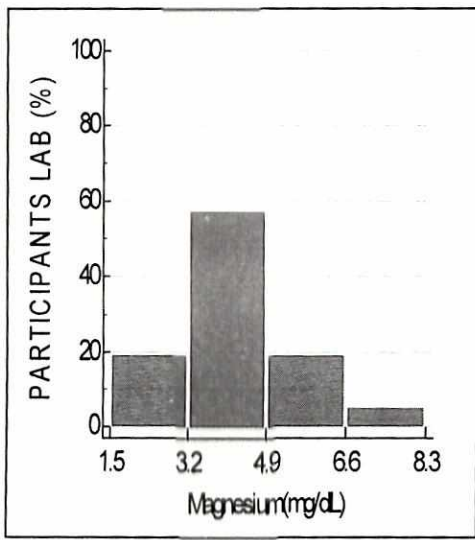


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-10

Date:20/10/2022



Biochemistry

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No -10

Date: 20/10/2022

Note:- This report is only for information about the participants performance in the particular round

Parameters	Total No. of Participants	No. of Responses	No of Participant Excluded from Group Mean	No. of Participants SDI b/w 0.0 - 2	No. of Participants SDI b/w 2.1 - 2.9	No. of Participants SDI >3
Albumin	284	236	4	207	16	13
Alkaline Phosphatase	284	226	2	210	12	4
Bilirubin Total	284	237	6	211	13	13
Calcium(Total)	284	207	15	173	13	21
Cholesterol (Total)	284	231	8	207	10	14
Creatinine	284	241	5	219	7	15
Glucose	284	239	4	213	11	15
HDL	284	217	0	210	6	1
Potassium	284	196	5	171	11	14
Protien (Total)	284	231	12	198	14	19
Sodium	284	196	6	178	6	12
SGPT/ALT	284	235	4	211	13	11
SGOT/AST	284	234	4	204	16	14
Triglyceride	284	229	5	201	9	19
Urea	284	240	6	213	10	17
Uric Acid	284	237	8	208	17	12

****End of Report****

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Doc. No.: ASS / FR / 01 / R 00 / Dt.: 01.07.2012



Lab Code No. 2432

BASIC SEROLOGY
FINAL RESULT ASSESSMENT

CYCLE NO. : 11

ROUND: 6

TOTAL PARTICIPANT: 407

DATE: 20/10/2022

Parameter	Total Responses	Your Result	All Lab Result	Consensus %	Remarks
S1- ANTI HCV	350	Reactive	Reactive : 295 Non-Reactive : 55	84%	Within Consensus
S2- Dengue IgG	312	Non - Reactive	Reactive : 19 Non-Reactive : 293	94%	Within Consensus

Chief Coordinator

Dr. Sanjay Mehrotra

Programme Director

Dr. Bandana Mehrotra

Checked By:

Prepared by: SV

End of Report

Page 1 of 1

Doc. No.: ASS / FR / 05 / R 01 / Dt.: 05.01.2022



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HEMATOLOGY

ALL METHOD REPORT

Cycle-11/2022

Round -6

Date: 20/10/2022

Lab Code: 2432

Complete Blood Count (CBC)

Parameters	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	236	11.4	0.4	0.03	10.7-12.2	11.2	-0.5
WBC $\times 10^3/\mu\text{l}$.	234	10.8	2.1	0.17	6.7-14.9	11.9	0.5
RBC $\times 10^6/\mu\text{l}$.	236	4.0	0.1	0.01	3.75-4.31	4.08	0.8
Hct%	236	35.4	2.3	0.19	30.8-40.0	37.5	0.9
MCV fl.	236	87.5	4.4	0.36	78.6-96.4	91.9	1.0
MCH pg.	236	28.3	0.9	0.07	26.5-30.1	27.5	-0.9
MCHC gm/dl	236	32.4	2.0	0.16	28.4-36.4	30.0	-1.2
Platelet $\times 10^3/\mu\text{l}$.	236	273.3	22.5	1.83	228.2-318.3	297	1.1

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	P-31, L-36, E-33	P-19.0-47.8 L-16.0-34.1 E-13.0-51.0 M-1.8-6.2
Morphology	RBCs are predominantly normocytic normochromic WBC- TLC is raised with differential showing moderate eosinophilia Platelets mildly reduced on smear No parasite seen	Δ Normocytic/ Normochromic (174/186) Δ Eosinophilia (161/186) Δ Thrombocytopenia (113/186) Δ Leukocytosis (98/186) Δ Giant platelets (73/186)
Diagnosis	Moderate eosinophilia	Eosinophilia/ Eosinophilic Leukocytosis

Legends	(*) Excluded From Group Mean	{,} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Dr. Sanjay Mehrotra

Prepared by: SS

Checked By: [Signature]

Programme Director

Dr. Bandana Mehrotra

Doc. No.: ASS / FR / 06 / R 01 / Dt.: 05.01.2022

****End of Report****

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HEMATOLOGY METHOD WISE REPORT

Cycle-11/2022
Round -6

Date: 20/10/2022

Lab Code: 2432

Note: Your lab is not the part of Method Group

Complete Blood Count (CBC)

Parameters	Method Group	No.of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	Photometric	67	11.4	0.4	0.06	10.7-12.2	-	-
WBC $\times 10^3/\mu\text{l}$.	Electrical impedance	82	11.6	1.3	0.18	9.0-14.2	-	-
RBC $\times 10^6/\mu\text{l}$.	Electrical impedance	93	4.1	0.2	0.03	3.7-4.4	-	-
Hct%	Calculated	49	35.8	2.6	0.46	30.6-41.1	-	-
MCV fl.	Electrical impedance	45	87.5	4.3	0.80	79.0-96.0	-	-
MCH pg.	Calculated	94	28.3	1.0	0.13	26.3-30.3	-	-
MCHC gm/dl	Calculated	100	32.3	2.0	0.25	28.3-36.3	-	-
Platelet $\times 10^3/\mu\text{l}$.	Electrical impedance	91	274.1	23.0	3.01	228.1-320.1	-	-

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Legends	(*) Excluded From Group Mean	{.} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

Prepared By: SSh

Programme Director

Dr.Bandana Mehrotra

End of Report

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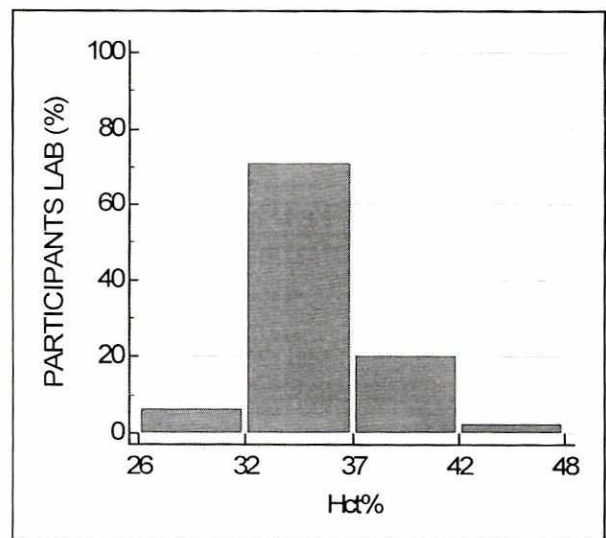
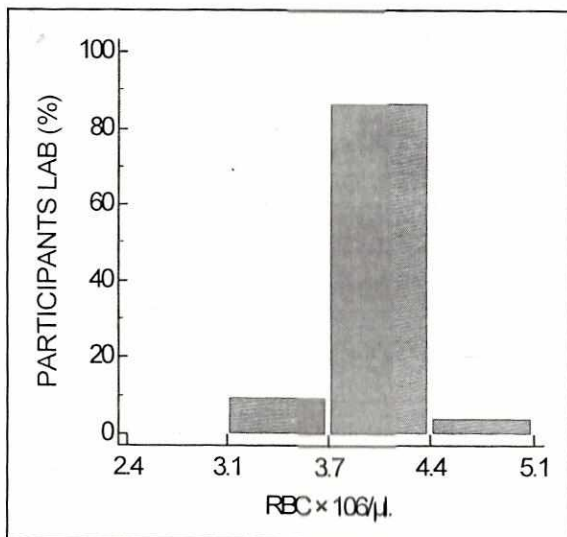
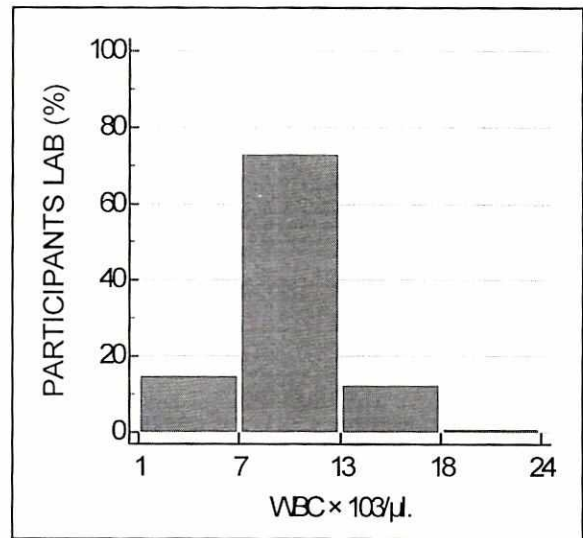
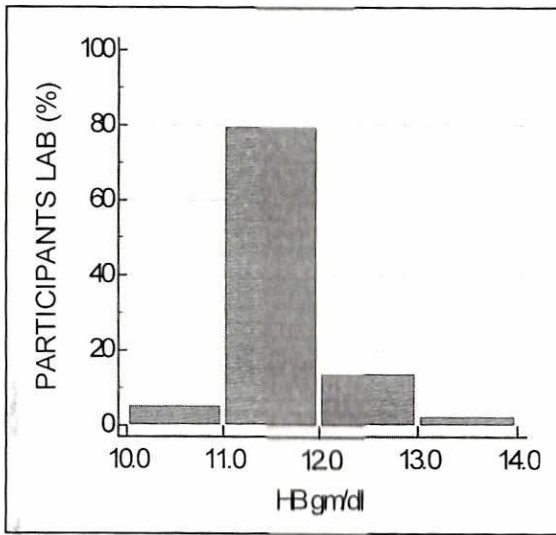


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 11/2022
Round -6

Date: 20/10/2022





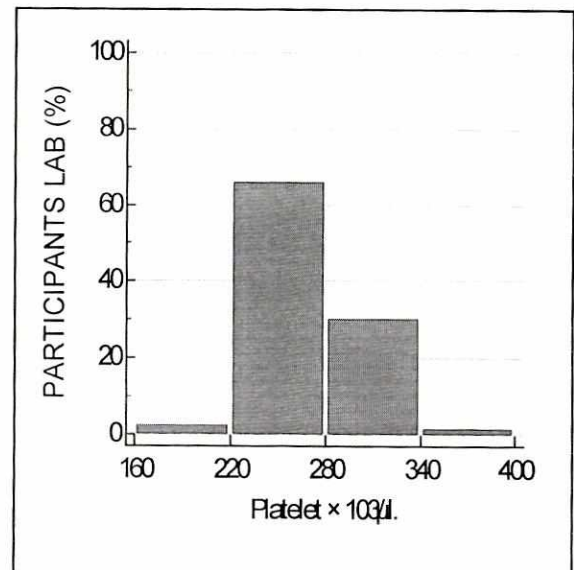
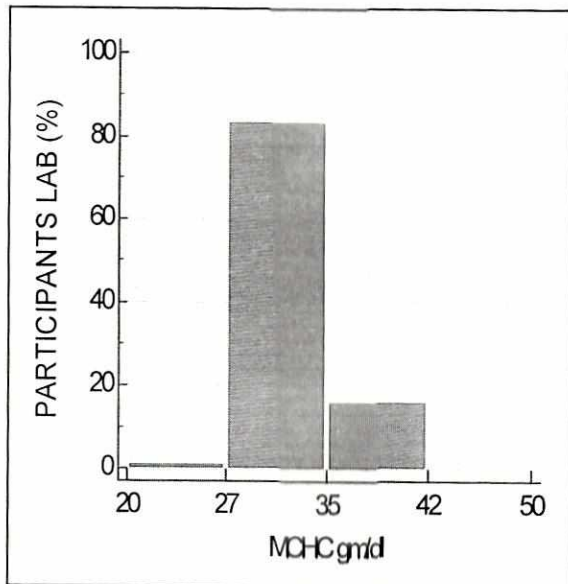
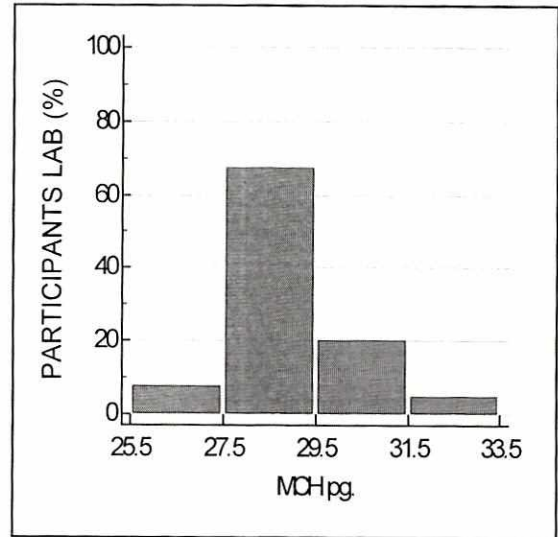
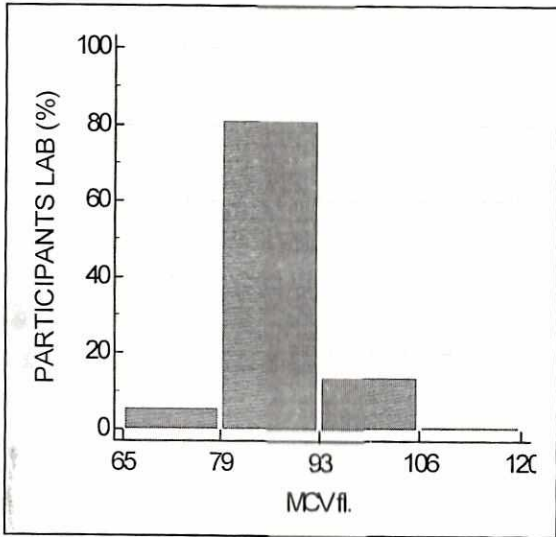
HEMATOLOGY

GRAPHICAL REPORT

Cycle - 11/2022

Round -6

Date: 20/10/2022



Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No - 6

Date: 20/10/2022

Note:- This report is only for information about the participant's performance in the particular round

Parameters	Total No. of Participants	No. of Responses	No of Participant Excluded from Group Mean	No. of Participants SDI b/w 0.0 - 2	No. of Participants SDI b/w 2.1 - 2.9	No. of Participants SDI >3
Hb gm/dl	271	236	11	205	8	23
WBC $\times 10^3/\mu\text{l}$.	271	234	7	197	25	12
RBC $\times 10^3/\mu\text{l}$.	271	236	14	181	31	24
HCT%	271	236	3	216	10	10
MCV fl.	271	236	2	227	6	3
MCH pg.	271	236	4	219	5	12
MCHC gm/dl	271	236	1	225	6	5
Platelet $\times 10^3/\mu\text{l}$.	271	236	1	220	9	7

****End of Report****

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