



Metropolis Healthcare Ltd., EQAS

MEDICENTRE DIAGNOSTICS, BHILWARA (453)

Outlier And Analyte Summary Report

Outlier Details For Cycle No 220309 and Sample No 01

Report Date : 10/12/2022

Analyte	Instrument	Result Value	Standard Unit	Z-Score
X Bilirubin Direct	Erba EM 360	0.41	mg/dl	9.71
X ALT	Erba EM 360	16.60	U/L	5.33
! Albumin	Erba EM 360	3.40	g/dL	-2.16

Legend @ : z score \leq 2.0 - Acceptable
! : 2.0 < z score < 3.0 - Warning
X : z score \geq 3 - Unacceptable
: Not Evaluated
⊙ : Delayed Result Entry
* : Not considered for evaluation.

Problem Classification: _____

Corrective Action: _____

Reviewed by: _____

Dated: _____

Instrument : Erba EM 360

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
X Bilirubin Direct	mg/dl	0.41	0.06	9.71	1.11
X ALT	U/L	16.60	7.48	5.33	2.49
@ Glucose	mg/dl	72.76	80.57	-0.92	0.11
@ Urea	mg/dl	23.40	21.86	0.77	0.25
@ Creatinine	mg/dl	0.69	0.83	-1.10	-1.07
@ Total Protein	g/dL	6.89	7.18	-0.47	0.02
! Albumin	g/dL	3.40	3.82	-2.16	-0.34
@ Uric Acid	mg/dl	4.80	4.73	-0.20	-0.34
@ Calcium	mg/dl	8.10	8.98	-0.86	0.08
@ Cholesterol	mg/dl	133.56	157.05	-1.15	0.70
@ Triglycerides	mg/dl	120.50	126.27	0.39	0.45
@ HDL	mg/dl	27.40	31.90	-1.20	0.07
@ AST	U/L	17.30	17.33	0.31	1.45
@ ALP	U/L	46.25	50.14	-0.71	0.58
@ LDH	U/L	206.00	215.00	0.13	0.21

Instrument : Roche AVL 9180

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Chloride	mmol/L	111.20	156.07	-0.99	-0.64
@ Sodium	mmol/L	152.00	149.11	0.45	-0.10
@ Potassium	mmol/L	4.10	4.23	-0.07	0.13

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score ≥ 3 - Unacceptable

: Not Evaluated

Ⓞ : Delayed Result Entry

* : Not considered for evaluation.

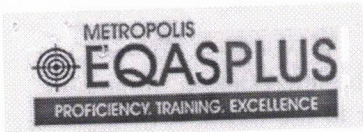
Total Parameters	18
Not Evaluated Parameters	0
Evaluated Parameters	18
Outlier Parameters (X)	2
EQAS Score Biochemistry	88.89 %

Dr Puneet Kumar Nigam

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(Bhilwara)

Sr.N o.	Date	Product /Prospective Non-confirmation	Z score of EQAS result	Root Cause Check Points					Corrective/ Preventive Action			Responsible Person	CA/PA closed on date	Follow up for effectiveness of CA/PA taken	QM Sign	
				Clerical Error	Methodological Problem	Technical Error in EQAS Specimen	IQC of date of EQAS run	Evaluation of results by PT Provider	Repeat Run	ILCP	Others					
1.	14/12/22	Albumin (Sample No. -13) (Examined)	-2.16	-	-	NO	mean	-	8.62	NO	-	NO	15/12/22	yes. (Satisfactory)	[Signature]	
2.	14/12/22	ALT (Sample No. -1) (Examined)	5.35	yes	-	NO	mean	-	6.8	NO	-	NO	15/12/22	yes (Satisfactory)	[Signature]	
				6.6 is result but entered 16.6												
8.	14/12/22	Bilirubin Direct (Sample No. 11) (Examined)	9.41	-	-	yes.	+1.5D	-	0.40	0.40	0.40	-	NO	15/12/22	yes.	[Signature]



Metropolis Healthcare Ltd., EQAS

MEDICENTRE DIAGNOSTICS, BHILWARA (453)

Outlier And Analyte Summary Report

Outlier Details For Cycle No 220309 and Sample No 02

Report Date : 10/12/2022

Analyte	Instrument	Result Value	Standard Unit	Z-Score
! Bilirubin Total	Erba EM 360	0.91	mg/dl	2.91
! AST	Erba EM 360	26.00	U/L	2.37

- Legend
- @ : z score \leq 2.0 - Acceptable
 - ! : $2.0 < z$ score $<$ 3.0 - Warning
 - X : z score \geq 3 - Unacceptable
 - # : Not Evaluated
 - ⊙ : Delayed Result Entry
 - * : Not considered for evaluation.

Problem Classification: _____

Corrective Action: _____

Reviewed by: _____

Dated: _____

Instrument : Erba EM 360

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Glucose	mg/dl	267.43	273.94	0.20	0.11
@ Urea	mg/dl	27.60	24.00	1.47	0.25
@ Creatinine	mg/dl	6.33	6.91	-1.23	-1.07
! Bilirubin Total	mg/dl	0.91	0.34	2.91	0.19
@ Bilirubin Direct	mg/dl	0.37	0.44	-0.12	1.11
@ Total Protein	g/dL	8.94	9.10	-0.02	0.02
@ Albumin	g/dL	4.89	5.13	-0.88	-0.34
@ Uric Acid	mg/dl	4.80	4.53	0.48	-0.34
@ Calcium	mg/dl	8.80	8.67	0.37	0.08
@ Cholesterol	mg/dl	150.00	151.95	0.61	0.70
@ Triglycerides	mg/dl	118.00	123.21	0.42	0.45
@ HDL	mg/dl	27.00	30.18	-1.00	0.07
@ ALT	U/L	14.40	12.43	1.47	2.49
! AST	U/L	26.00	20.84	2.37	1.45
@ ALP	U/L	37.50	43.43	-1.24	0.58
@ LDH	U/L	253.00	244.25	0.18	0.21

Instrument : Roche AVL 9180

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Chloride	mmol/L	115.40	146.09	-1.30	-0.64
@ Sodium	mmol/L	160.00	161.10	0.20	-0.10
@ Potassium	mmol/L	4.17	4.25	0.06	0.13

Legend @ : Acceptable

! : $2.0 < z \text{ score} < 3.0$ - Warning

X : $z \text{ score} \geq 3$ - Unacceptable

: Not Evaluated

⊙ : Delayed Result Entry

* : Not considered for evaluation.

Total Parameters	19
Not Evaluated Parameters	0
Evaluated Parameters	19
Outlier Parameters (X)	0
EQAS Score Biochemistry	100.00 %

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