



**Dr. Dham's Diagnostic Centre**

A Specialist Centre

3856/23 Reghar Pura, Arya Samaj Road, Karol Bagh,  
New Delhi-110005 Ph. : 011-25852890, 25852891

## EQAS REPORT FOR HAEMATOLOGY

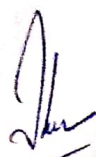
We have run EQAS (from AIIMS) in the month of March 2021 whose report is attached along.

- Corrective action was taken in May 2021.
- ILC done on 3<sup>rd</sup> August <sup>and</sup> 9<sup>th</sup> September <sup>2021</sup>

The EQAS results are awaited for month of September (16<sup>th</sup> September).

The ISHTM-AIIMS External quality assurance Programme schedule is attach along.

Senior Lab Technician

  
Dr. JASPREE KAUR  
MBBS, MD (DMC No. 15396)  
Consultant Biochemist

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(REPORTS ARE NOT FOR MEDICO LEGAL PURPOSE, IT IS ONLY A PROFESSIONAL OPINION)



**PROFICIENCY TESTING REPORT**  
**ISHTM-AIIMS EXTERNAL QUALITY ASSURANCE PROGRAMME**  
 NABL accredited program as per ISO/IEC 17043:2010 standard  
 Organized By Department of Hematology, AIIMS, New Delhi-110029



Duration of stability testing - minimum upto 8 days at ambient temp. after dispatch of specimens

EQAP CODE No. : 3067

Instrument ID: 1/152H

Distribution No.: 152-H

Month/Year: March/2021

Name & Contact No. of PT Co-ordinator: Dr. Seema Tyagi (Prof.), Hematology, AIIMS, Delhi,  
 Tel: 9013085730, E-Mail : accuracy2000@gmail.com

Date of issue & status of the report: 17-05-2021[Final].

**CBC and Retic Assessment**

Test Parameters	S.No.	Among Lab (Accuracy Testing)						Within Lab (Precision Testing)			
		Your Result 1	Your Result 2	Your Results Sum of 2 Value	Consensus result sum of 2 values (Assigned Value)	Uncertainty of Assigned Values	Z Score	Yours Results Diff. of 2 Values	Consensus Result Diff. of 2 values (Assigned Value)	Uncertainty of Assigned Values	Z Score
WBC x10 <sup>3</sup> /µl	1	5.6	5.6	11.2	10.5	0.0660	0.73	0	0.1	0.0130	-0.84
RBC x10 <sup>6</sup> /µl	1	3.79	3.67	7.46	6.68	0.0120	5.13	0.12	0.03	0.0040	2.86
Hb g/dl	1	9.6	9.5	19.1	20.3	0.0350	-2.70	0.1	0.1	0.0120	0.00
HCT%	1	38.6	36.8	75.4	65.35	0.2100	3.25	1.8	0.3	0.0350	4.76
MCV-fl	1	100.7	100.2	200.9	196.35	0.4970	0.59	0.5	0.3	0.0420	0.45
MCH-Pg	1	26.2	25.1	51.3	60.8	0.1170	-6.18	1.1	0.2	0.0310	3.04
MCHC-g/dl	1	26.1	24.9	51	61.8	0.2170	-3.43	1.2	0.25	0.0350	3.02
Plt. x10 <sup>3</sup> /µl	1	176	175	351	292.5	2.10	1.79	1	5.5	0.61	-0.84
Retic %	2										

**P.S . Assesment**

YOUR REPORT			CONSENSUS REPORT	
DLC%	3	Nrbcs= , Poly= L=, E=, Mono/Promono=, B1= P.M.=, Mye=, Meta=, Other=	Poly: 30 - 55, Myelo: 10 - 40, Meta: 5 - 15, Promyelo/Eos/Blast: 1 - 10, nRBC/Baso/Lympho/Mono: 0 - 5	
RBC Morphology	3		Predominantly: Normocytic/Normochromic; Moderate: Microcytosis, Hypochromia, Anisocytosis; Mild: Macrocytosis, Poikilocytosis	
Diagnosis	3		Chronic Myeloid Leukemia (CML)	

**COMBINED DATA VALUES OF TOTAL PARTICIPANTS**

Test parameters	S.No.	Total participants covered in the current dist.	Total No. responded	% of Labs with Z Score 0-2		% of Labs with Z Score 2-3		% of Labs with Z Score >3	
				Among labs	Within lab	Among labs	Within lab	Among labs	Within lab
WBC x10 <sup>3</sup> /µl	1	92	104	90.38	83.65	3.85	5.77	5.77	9.62
RBC x10 <sup>6</sup> /µl	1	92	104	82.69	90.38	9.62	6.73	7.69	2.88
Hb g/dl	1	92	104	78.85	94.23	9.62	3.85	11.54	1.92
HCT%	1	92	104	91.35	89.42	6.73	5.77	1.92	4.81
MCV-fl	1	92	104	93.27	92.31	3.85	1.92	2.88	5.77
MCH-Pg	1	92	104	81.73	91.35	10.58	4.81	7.69	3.85
MCHC-g/dl	1	92	104	91.35	92.31	3.85	3.85	4.81	3.85
Plt. x10 <sup>3</sup> /µl	1	92	104	94.23	94.23	4.81	0.96	0.96	4.81
ReticCount%	2	92	91	96.7	93.41	2.2	1.1	1.1	5.49
PS Assessment	3	92	95	Acceptable:94.5,Warning Signal:3.3,Unacceptable :2.2					

**Comments:**

- 1). Among Lab (EQA) : CBC result for RBC, HCT, MCH & MCHC unacceptable, please check calibration/human error, Retic Results & PS not reported, Remaining results acceptable.
- 2). Within Lab (IQA) : Difference in the CBC measurement values for HCT, MCH & MCHC unacceptable, please check precision/human error. Remaining precision acceptable.

**Note-1:** EQA (External Quality Assurance) : Your Performance among various of participating labs in PT, to determine the accuracy of your results.

**IQA** ( Internal Quality Assurance) : Your Performance of comparison of two consecutive measurement values within your lab to test the precision of your autoanalyzer.

**Note-2:** Z score among & within lab were calculated, as per to ISO/IEC 13528:2015 standard. Z score among lab (EQA)= (Your Result Sum of two values - Consensus Result sum of two values)/(Normalised IQR)

Z score within lab (IQA)= (Your Result Difference of two values - Consensus Result difference of two values)/(Normalised IQR)

IQR = Quartile 3 - Quartile 1 of participant data, Normalised IQR = 0.7413 x IQR

**Note-3:** Z score 0 to ±2: Acceptable, Z score ±2 to ±3 :Warning Signal, Z score > ±3 : Unacceptable [As per ISO/IEC 13528:2015 standard]

**Note-4:** Z score value between "0 to ±2" are texted in green colour. Z score value between "±2 to ±3" are texted in orange colour. Z score value > ±3 are texted in red colour.

**Note-5:** Homogeneity and stability testing of PT sample were done as per ISO 13528:2015 standard. To pass homogeneity test, between sample SD (Ss) should be smaller than the check value (0.3\*SDPA). To pass the stability test, average difference in measurement values of first and last day sample ( $\bar{x}-\bar{y}$ ) should be smaller than the check value (0.3\*SDPA).

**Note-6:** ISHTM-AIIMS-EQAP does not subcontract any task of its scheme

**Note-7:** Participants are free to use methods/analyzer of their own choice.

**Note-8:** Proficiency testing (PT ) samples are sent quarterly to each participant.

**Note-9:** All the necessary details regarding design and implementation of PT, are provided in the instruction sheet as well as on programme's website [www.ishtmaiimseqap.com](http://www.ishtmaiimseqap.com).

Report authorized by,



Dr. Seema Tyagi (Prof.)

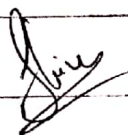
PT Co-ordinator: ISHTM-AIIMS-EQAP

Department of Hematology, AIIMS, New Delhi

-----End Of Report-----

# BHAGWATI SCIENTIFIC

SHOP NO. 5537, PLOT NO. 23 BASTI HARPHOOL SINGH  
SADAR THANA ROAD, DELHI-110006  
Mob No. +91-8800995541

CUSTOMER SERVICE REPORT		
CSR NO.		DATE: 19-May-2021
Customer Name: DHAM DIAGNOSTIC CENTRE		
Address: No. 33 56/23, Arya Samaj Road Koga Pura, New Delhi - 110005		
City: New Delhi		State: ZIP Code: 110005
Status of Call: Warranty or AMC (Please circle)	Instruction From: Dr. Mr. Jaiprakash Koush	
NATURE OF PROBLEM		
Problem Reported: RBC & PLT Issue to check the continuity RBC Bath. found faulty.		
System Down: Yes / No (Please circle)		Equipment Type:
Make: MINDRAY	Model: BC3600	Serial No. TB 53000364
Call Reported by: MR SHIVAM	Date:	Time:
SERVICE DETAILS		
Service Rendered:		
Engineer's Remarks: Repairing RBC Bath check the continuity machine is working ok	Status after Service: Machine is working fine & satisfactory	
Events: (Date & Time)	Start of Service:	End of service:
CUSTOMER FEEDBACK		
Remarks: machine is OK & under observation		
Name: SHIVAM	Designation: Service Tech	Phone/Fax: 8800995541
Email:		
Signature: 	Date: 28 May-2021	Place:



# Dr. Dham's Diagnostic Centre

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3856/23 Reghar Pura, Arya Samaj Road, Karol Bagh,  
New Delhi-110005 Ph. : 011-25852890, 25852891

Date 15/09/2021  
Name MRS. SARIKA  
Ref. By Dr. S.R.ELAWADI


Srl No. 55  
Age 38 Yrs.  
Address 064/37 REHGAR PURA KAROL BAGH  
Ref. No  
Sex F

Test Name	Value	Unit	Normal Value
<b>COMPLETE HAEMOGRAM</b>			
HAEMOGLOBIN (Hb)	12.3	gm/dl	11.5 - 16.5
TLC	9300	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	75	%	40 - 75
LYMPHOCYTE	20	%	20 - 45
EOSINOPHIL	05	%	1 - 6
MONOCYTE	00	%	1 - 3
BASOPHIL	00	%	0 - 01
ESR (WESTEGREN's METHOD)	12	mm/1st hr.	0 - 20
R B C COUNT	4.10	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	38.4	%	35 - 45
M C V	91.7	fl.	80 - 100
M C H	29.4	Picogram	27.0 - 31.0
M C H C	32.0	gm/dl	33 - 37
PLATELET COUNT	3.60	Lacs/cmm	1.50 - 4.50

\*\*\*\* End Of Report \*\*\*\*

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Senior Lab Technician

  
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**PATHOLOGY & IMAGING PVT. LTD.**  
(Previously Gagan Pathology Centre)

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MAMMOGRAPHY, NCV, DEXA SCAN, OPG, ECG  
PFT, BERA, VEP, DIGITAL & PORTABLE X-RAYS

Date 15/09/2021

Name MRS. MRS. SARIKA  
Ref. By SELF

Lab Report  
SN No. 37

Age 35 Yrs.  
Address

Ref. No  
Sex F

Test Name	Value	Unit	Normal Value
<b>COMPLETE HAEMOGRAM</b>			
HAEMOGLOBIN (Hb)	12.3	gm/dl	11.5 - 16.5
TLC	9100	/cumm	4000 - 11000
<b>DIFFERENTIAL LEUCOCYTE COUNT (DLC)</b>			
NEUTROPHIL	72	%	40 - 75
LYMPHOCYTE	24	%	20 - 45
EOSINOPHIL	04	%	1 - 6
MONOCYTE	00	%	1 - 3
BASOPHIL	00	%	0 - 01
R B C COUNT	4.00	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	36.0	%	35 - 45
M C V	88.2	fl.	80 - 100
M C H	27.4	Picogram	27.0 - 31.0
M C H C	32.0	gm/dl	33 - 37
PLATELET COUNT	3.40	Lacs/cmm	1.50 - 4.50

\*\*\*\* End Of Report \*\*\*\*

**Dr. R.K. Garg**  
MBBS, MD  
Senior Consultant Pathologist

Page 1 of 1

**Dr. Ankur Garg**  
MBBS, MD  
Consultant Pathologist

Expert and Reliable Opinion for over 30 Years

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On Panel : CGHS, D.G.E.H.S., DJB, NDPL, ECHS, DDA, ITPO, NDMC, MCD, LIC (TPA), ESI, DELHI UNIVERSITY

# Dr. Dham's Diagnostic Centre

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3856/23 Reghar Pura, Arya Samaj Road, Karol Bagh,  
New Delhi-110005 Ph. : 011-25852890, 25852891

Date 02/08/2021  
Name MRS. NEELAM  
Ref. By Dr. P.WALIA

Srl No. 44  
Age 33 Yrs.  
Address


Ref. No  
Sex F

Test Name	Value	Unit	Normal Value
<b>COMPLETE HAEMOGRAM</b>			
HAEMOGLOBIN (Hb)	11.2	gm/dl	11.5 - 16.5
TLC	12300	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	70	%	40 - 75
LYMPHOCYTE	26	%	20 - 45
EOSINOPHIL	04	%	1 - 6
MONOCYTE	00	%	1 - 3
BASOPHIL	00	%	0 - 01
ESR (WESTEGREN's METHOD)	26	mm/1st hr.	0 - 20
R B C COUNT	3.90	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	38.2	%	35 - 45
M C V	96.2	fl.	80 - 100
M C H	28.2	Picogram	27.0 - 31.0
M C H C	29.3	gm/dl	33 - 37
PLATELET COUNT	3.70	Lacs/cmm	1.50 - 4.50

\*\*\*\* End Of Report \*\*\*\*

Senior Lab Technician

Page 1 of 1

  
Dr. JASPREE KAUR  
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Consultant Biochemist

Ph. : 011-25852890, 25852891, E-mail : dr.kawaldeepdham123@gmail.com  
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**Lab Report**

Patient Name : Mrs. NEELAM  
 Sex / Age : Female / 33 Yrs  
 Ref. Dr. : DHAM DIAG. CENTRE\* (KB)  
 Sample From : DHAM DIAG\* (KB)  
 Sample : EDTA

Patient Id : 1021101141  
 Registered On : 03/08/2021 16:29:33  
 Receiving On : 03/08/2021 16:41:04  
 Printed On : 04/08/2021 08:58:09  
 Barcode :

Test Name	Value	Unit	Biological Ref Interval
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**HEAMATOLOGY**

**CBC (Complete Blood Count)**

<b>Hemoglobin (Hb)</b> <i>Method : Non-cyanide Hemoglobin method</i>	<b>10.9</b>	gm/dl	12.0 - 15.0
<b>Total Leucocyte Count (TLC)</b> <i>Method : Automated impedance</i>	<b>12160</b>	/cumm	4000 - 10000
<b>D.L.C. (Differential Leucocyte Count)</b> <i>Method : (Microscopic)</i>			
Neutrophil	<b>86.0</b>	%	40.0 - 80.0
Lymphocyte	<b>12.0</b>	%	20.0 - 40.0
Eosinophil	01.0	%	01.0 - 06.0
Monocyte	<b>01.0</b>	%	02.0 - 10.0
Basophils	00.0	%	00.0 - 08.0
<b>Packed cell volume (P.C.V)</b> <i>Method : Pulse height detection</i>	<b>34.1</b>	%	36.0 - 46.0
<b>Red Blood Cells Count (R B C)</b> <i>Method : Automated impedance</i>	<b>3.64</b>	millions/cmm	3.80 - 4.80
Mean Corpuscular Volume (M C V) <i>Method : Calculated</i>	93.7	fl.	83.0 - 101.0
Mean Corpuscular Hemoglobin (M C H) <i>Method : Calculated</i>	29.9	picogram	27.0 - 32.0
Mean Corpuscular Hb Conc.(M C H C) <i>Method : Calculated</i>	32.0	gm/dl	31.5 - 34.5
Platelet Count <i>Method : Automated impedance</i>	3.17	Lakh/cmm	1.50 - 4.10
<b>Red cell Diff. Width (RDW) SD #</b> <i>Method : Calculated</i>	<b>50.2</b>	fl	39.0 - 46.0

www.busysoft.in

**Dr. R.K. Garg**

MBBS, MD  
 Senior Consultant Pathologist  
 \*The test mark is not under the scope of NABL Accreditation

**Dr. Ankur Garg**

MBBS, MD  
 Consultant Pathologist

Expert and Reliable Opinion for over 30 Years  
 FA UPA1 Page No. 1 of 3

H.O. : F-26/21-22, Sector-7, Rohini, Delhi-110085 Email : gaganlab@yahoo.com website : www.gaganlab.com

**On Panel : CGHS, D.G.E.H.S., DJB, NDPL, ECHS, DDA, ITPO, NDMC, MCD, LIC (TPA), ESI, DELHI UNIVERSITY**





**ISHTM-AIIMS EXTERNAL QUALITY ASSURANCE PROGRAMME**  
 An NABL accredited programme as per ISO/IEC 17043:2010 standard  
 Department of Hematology, AIIMS, New Delhi-110029  
 Website: www.ishtmalimseqap.com  
 E-mail : accuracy2000@gmail.com , Contact No. 9013085730

EQAP Code No. **3087**Distribution No. **153**

## Direction Sheet for sample processing and Report Submission

[ Please read it carefully ]

1. ISHTM-AIIMS-EQAP sends specimens quarterly to each participating lab for external quality control as per the following schedule:

EQAP Code No. and Distribution	Month of specimen dispatch	Tentative date of specimen dispatch
1 - 899 (odd Nos. only) [A] 2 - 900 (even Nos. only) [B] 901 - 1799 (odd Nos. only) [C]	Jan, Apr, Jul, Oct	A, D, G - 8 <sup>th</sup> of the month B, E, H - 15 <sup>th</sup> of the month C, F, I - 22 <sup>nd</sup> of the month
902-1800 (even Nos. only) [D] 1801-2699 (odd Nos. only) [E] 1802 - 2700 (even Nos. only) [F]	Feb, May, Aug, Nov	J - 30 <sup>th</sup> of the month
2701 - 3150 [G], 3151 - 3600 [H] 3601 - 4050 [I], 4051 - 4500 [J]	Mar, Jun, Sep, Dec	

**Note:** You will also receive an email when we dispatch the specimens. If the EQAP samples do not reach you within 10 days of dispatch, please e-mail us immediately so that repeat samples can be sent. ISHTM-AIIMS-EQAP will not be responsible for sample non-receipt, if not informed timely.

The following 3 samples will be sent:

### Sample No. 1:

### COMPLETE BLOOD COUNTS

It is stabilized human whole blood sample. Report all the parameters listed in the results submission page on website. Run the sample twice on your analyzer and report all the parameters in duplicate by entering higher value in first column and lower value in second column. The parameters must be reported on the scale of WBC: \*\* x10<sup>9</sup>/µl, RBC: \*\* x10<sup>12</sup>/µl, Hb: \*\* g/dl, HCT: \*\* %, MCV: \*\* fl, MCH: \*\* Pg, MCHC: \*\* g/dl, Platelet: \*\* x 10<sup>9</sup>/µl. Please only fill the measurement value (\*\*) in report submission column and do not type any text, scale or superscript strictly. For E.g. a WBC count of 7800 / µl, you have only to type 7.8 in the WBC column, nothing else. Please note, if result is not reported in duplicate or on correct scale, it will not be accepted and no assessment will be done. A copy of your analyzer's report for both measurements should also be attached as a single PDF copy on the link provided. Report must be of the registered analyzer only, if of other it will be rejected.

### Sample No. 2:

### RETICULOCYTES COUNT

Please assess the reticulocyte count (%) on the slide provided. Counting the red blood cells correctly can be helped by a cardboard diaphragm or a piece of paper inserted into the eyepiece, with a small hole in the centre to reduce the optical field, so that not more than 30-35 R.B.Cs should be viewed in a field.

### Sample No. 3:

### PERIPHERAL BLOOD SMEAR

The blood films are stained with Jenner-Giemsa. The clinical summary is placed with the peripheral smear in the specimen box. Please report DLC and briefly comment on R.B.C morphology (minimum 2 and maximum 4 noticeable/relevant features observed) Reporting of diagnosis is essential.

P.T.O