

Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Erythrocyte (RBC) Count, mill/cu.mm**

**Comparative Statistics**

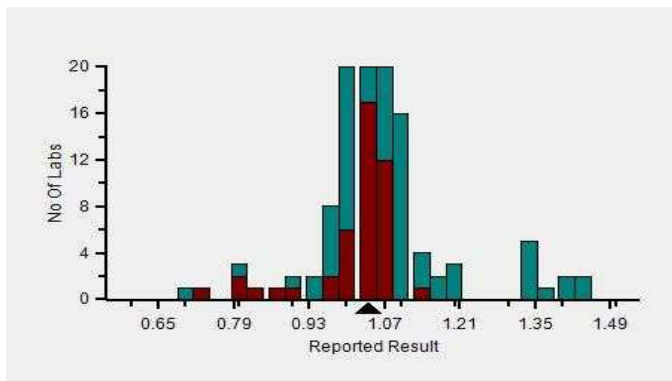
|                                       | N   | Mean | SD   | CV%   | Excluded |
|---------------------------------------|-----|------|------|-------|----------|
| All Methods                           | 170 | 1.07 | 0.14 | 13.35 | 7        |
| Impedance - (Your Method)             | 164 | 1.07 | 0.14 | 13.27 | 6        |
| Horiba Yumizen H550 - (Your Analyzer) | 46  | 1.02 | 0.11 | 10.71 | 1        |

**Evaluation Based On - Equipment wise Peer Grouping**

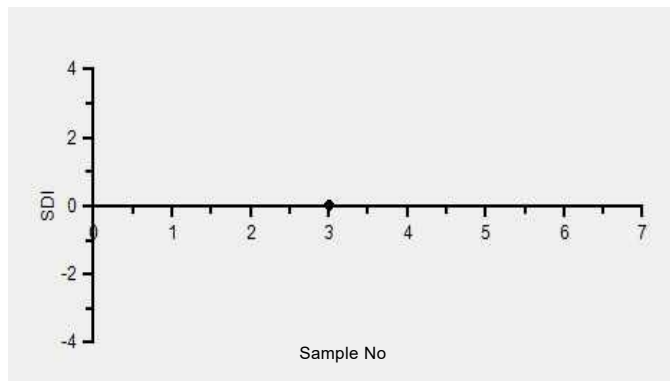
|                          |       |                   |      |
|--------------------------|-------|-------------------|------|
| Your Result              | 1.04  | SDI / z-Score     | 0.01 |
| Assigned Value           | 1.04  | Average SDI       | 0.01 |
| SDPA                     | 0.160 | Uncertainty of AV | 0.03 |
| Standard Unit Result Val | 1.04  | %DEV              | 2.16 |

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

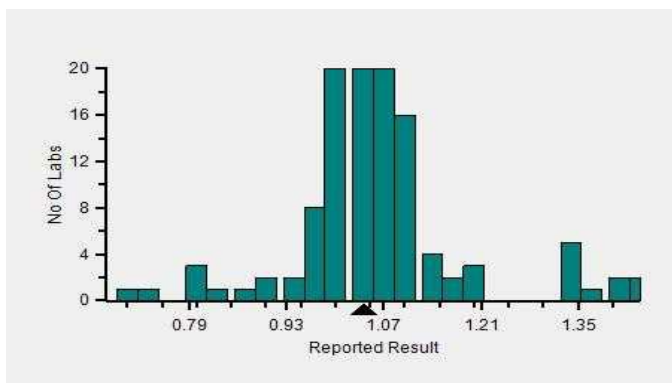
Frequency Histogram



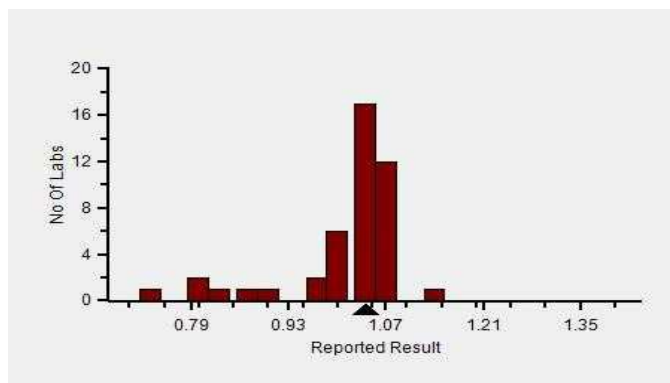
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Erythrocyte (RBC) Count**

|                        |                            | N         | Mean        | SD          | CV%          | Excluded |
|------------------------|----------------------------|-----------|-------------|-------------|--------------|----------|
|                        | All Analyzer               | 170       | 1.07        | 0.14        | 13.35        | 7        |
| <b>Your Analyzer :</b> | <b>Horiba Yumizen H550</b> | <b>46</b> | <b>1.02</b> | <b>0.11</b> | <b>10.71</b> | <b>1</b> |
|                        | Horiba Yumizen H500        | 17        | 1.08        | 0.17        | 15.54        | -        |
|                        | Erba ELite 580             | 13        | 1.02        | 0.03        | 2.46         | -        |
|                        | Mindray BC-5000            | 12        | 1.04        | 0.04        | 3.35         | -        |
|                        | Horiba ABX Pentra XL 80    | 8         | 1.36        | 0.16        | 11.96        | -        |
|                        | Nihon Kohden Celltac Alpha | 6         | 1.09        | 0.03        | 2.39         | -        |
|                        | Sysmex XP-100              | 5         | 1.21        | 0.23        | 18.62        | -        |
|                        | Beckman Coulter DxH 560    | 5         | 1.04        | 0.01        | 1.06         | -        |

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



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**Haematology - CBC, Haemoglobin, g/dL**

**Comparative Statistics**

|                                       | N   | Mean | SD   | CV%   | Excluded |
|---------------------------------------|-----|------|------|-------|----------|
| All Methods                           | 170 | 2.86 | 0.38 | 13.37 | 15       |
| Photometric - (Your Method)           | 44  | 2.87 | 0.46 | 16.14 | 4        |
| Horiba Yumizen H550 - (Your Analyzer) | 46  | 2.68 | 0.07 | 2.53  | 2        |

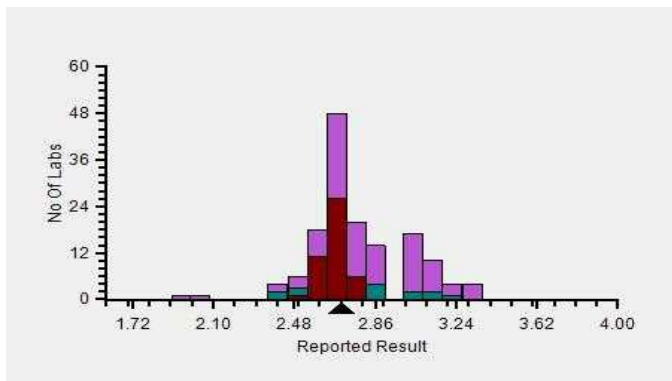
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |      |
|--------------------------|-------|-------------------|------|
| Your Result              | 2.70  | SDI / z-Score     | 0.00 |
| Assigned Value           | 2.70  | Average SDI       | 0.00 |
| SDPA                     | 0.240 | Uncertainty of AV | 0.04 |
| Standard Unit Result Val | 2.70  | %DEV              | 0.60 |

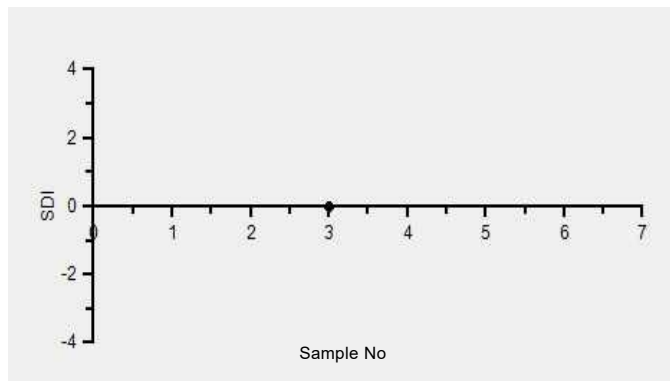
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

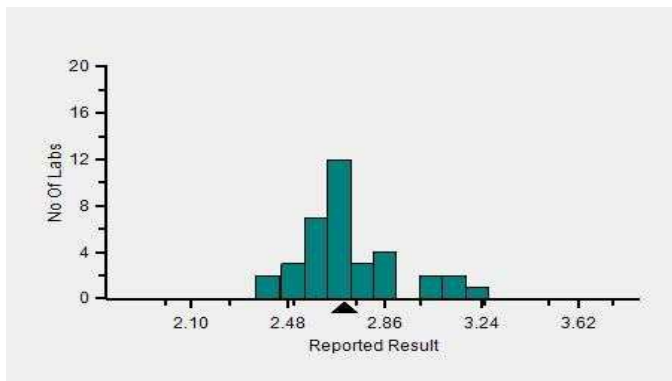
Frequency Histogram



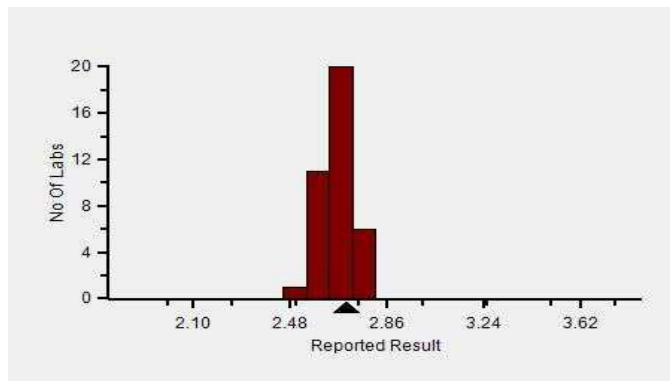
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Haemoglobin**

|                        |                            | N         | Mean        | SD          | CV%         | Excluded |
|------------------------|----------------------------|-----------|-------------|-------------|-------------|----------|
|                        | All Analyzer               | 170       | 2.86        | 0.38        | 13.37       | 15       |
| <b>Your Analyzer :</b> | <b>Horiba Yumizen H550</b> | <b>46</b> | <b>2.68</b> | <b>0.07</b> | <b>2.53</b> | <b>2</b> |
|                        | Horiba Yumizen H500        | 17        | 2.71        | 0.06        | 2.36        | 2        |
|                        | Erba ELite 580             | 13        | 2.70        | 0.06        | 2.15        | -        |
|                        | Horiba ABX Pentra XL 80    | 8         | 4.23        | 0.08        | 1.80        | 1        |
|                        | Mindray BC 5000            | 8         | 3.11        | 0.06        | 2.06        | -        |
|                        | Nihon Kohden Celltac Alpha | 6         | 2.90        | 0.30        | 10.49       | -        |
|                        | Sysmex XP-100              | 5         | 3.08        | 0.15        | 4.88        | 1        |
|                        | Beckman Coulter DxH 560    | 5         | 2.47        | 0.06        | 2.59        | -        |

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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- If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

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- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
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- All failed - Unacceptable performance, Review for systematic error



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**Haematology - CBC, Hematocrit, %**

**Comparative Statistics**

|                                       | N   | Mean  | SD   | CV%   | Excluded |
|---------------------------------------|-----|-------|------|-------|----------|
| All Methods                           | 163 | 13.35 | 1.61 | 12.05 | 9        |
| Calculated - (Your Method)            | 101 | 13.11 | 1.58 | 12.03 | 5        |
| Horiba Yumizen H550 - (Your Analyzer) | 46  | 12.66 | 1.44 | 11.39 | 2        |

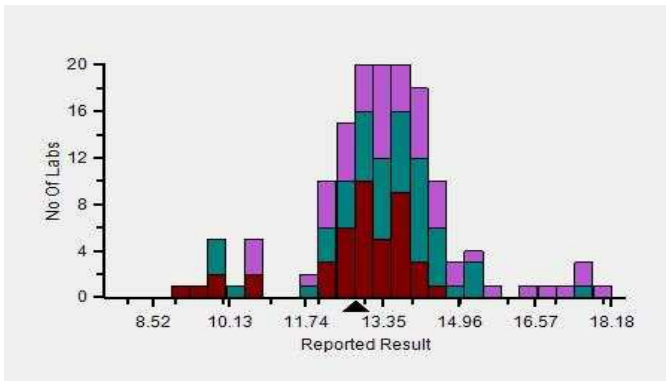
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |       |
|--------------------------|-------|-------------------|-------|
| Your Result              | 12.80 | SDI / z-Score     | -0.21 |
| Assigned Value           | 13.14 | Average SDI       | -0.11 |
| SDPA                     | 1.650 | Uncertainty of AV | 0.28  |
| Standard Unit Result Val | 12.80 | %DEV              | 1.10  |

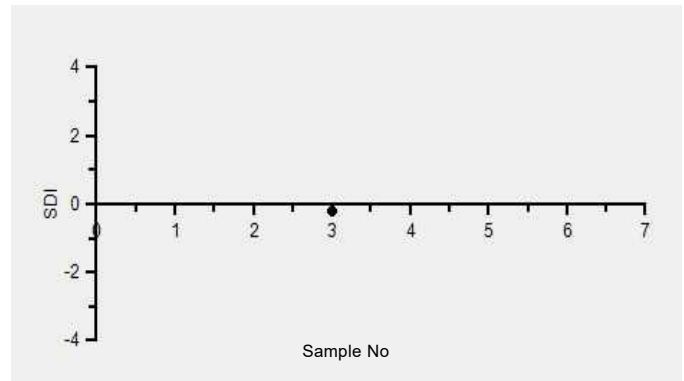
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

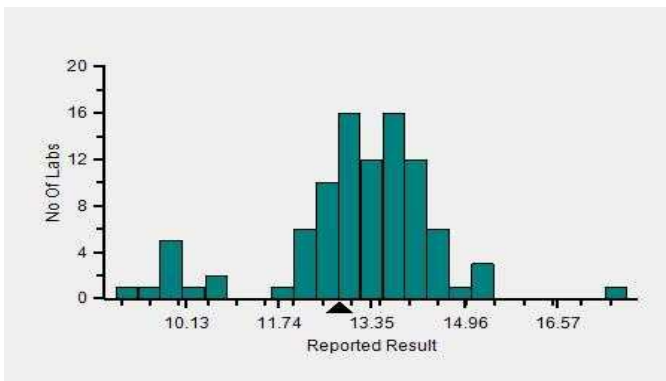
Frequency Histogram



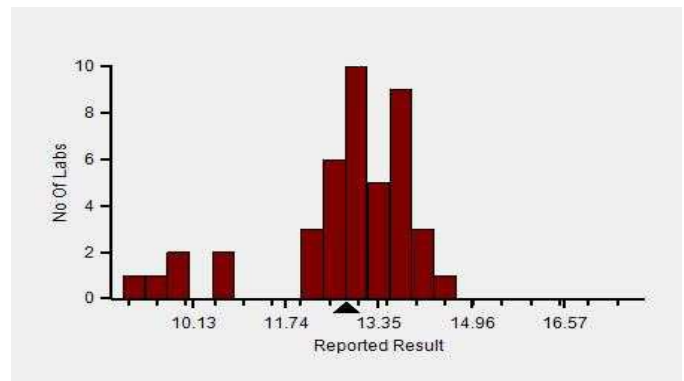
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, Hematocrit |                            | N         | Mean         | SD          | CV%          | Excluded |
|-------------------------------|----------------------------|-----------|--------------|-------------|--------------|----------|
|                               | All Analyzer               | 163       | 13.35        | 1.61        | 12.05        | 9        |
| <b>Your Analyzer :</b>        | <b>Horiba Yumizen H550</b> | <b>46</b> | <b>12.66</b> | <b>1.44</b> | <b>11.39</b> | <b>2</b> |
|                               | Horiba Yumizen H500        | 17        | 13.36        | 1.58        | 11.79        | 1        |
|                               | Erba ELite 580             | 13        | 13.54        | 0.44        | 3.23         | -        |
|                               | Mindray BC-5000            | 12        | 13.98        | 1.38        | 9.86         | -        |
|                               | Horiba ABX Pentra XL 80    | 7         | 15.42        | 2.57        | 16.68        | 1        |
|                               | Nihon Kohden Celltac Alpha | 6         | 13.87        | 1.02        | 7.35         | -        |
|                               | Beckman Coulter DxH 560    | 5         | 13.30        | 0.27        | 1.99         | -        |
|                               | Horiba ABX Micros ES 60    | 5         | 12.18        | 0.41        | 3.38         | 1        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
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  - Both failed - Unacceptable performance, Review for systematic error
- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error



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**Haematology - CBC, MCH (Mean Corpuscular Hb), pg**

**Comparative Statistics**

|                                       | N   | Mean  | SD   | CV%  | Excluded |
|---------------------------------------|-----|-------|------|------|----------|
| All Methods                           | 170 | 27.27 | 2.32 | 8.50 | 4        |
| Calculated - (Your Method)            | 118 | 27.28 | 2.32 | 8.52 | 3        |
| Horiba Yumizen H550 - (Your Analyzer) | 45  | 26.65 | 1.97 | 7.39 | 1        |

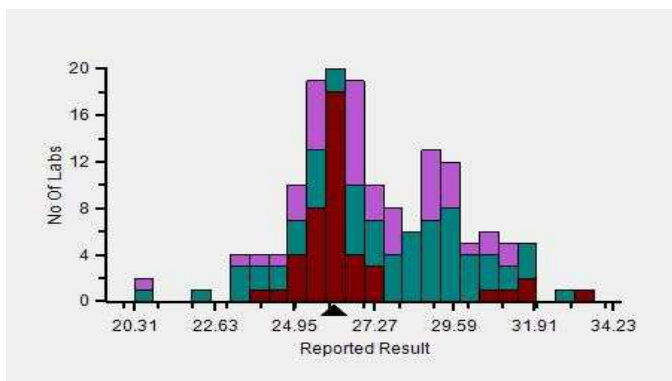
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |       |
|--------------------------|-------|-------------------|-------|
| Your Result              | 26.10 | SDI / z-Score     | 0.03  |
| Assigned Value           | 26.03 | Average SDI       | 0.02  |
| SDPA                     | 2.490 | Uncertainty of AV | 0.41  |
| Standard Unit Result Val | 26.10 | %DEV              | -2.05 |

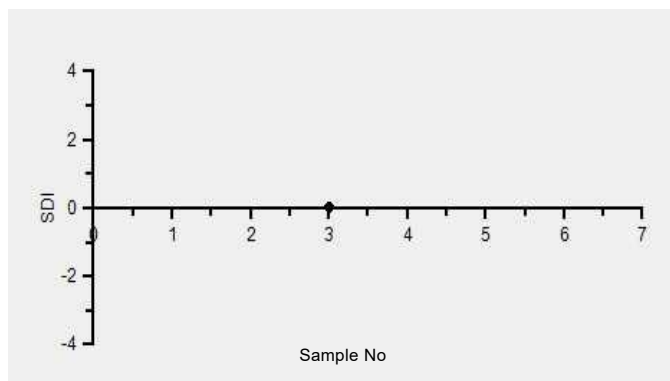
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

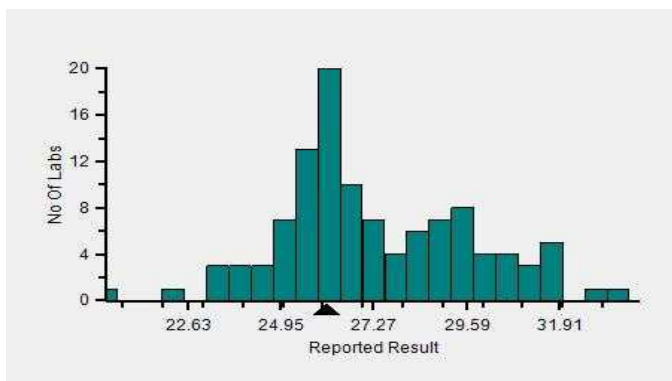
Frequency Histogram



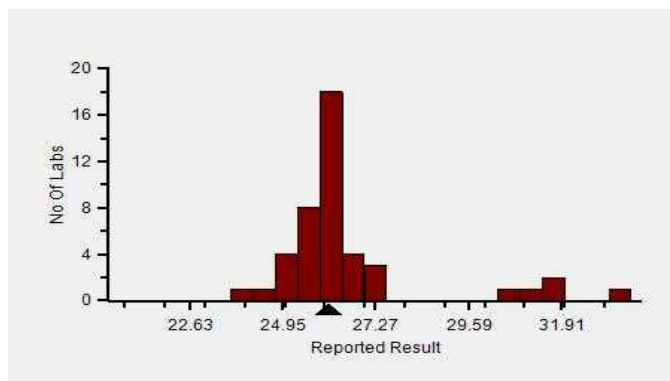
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, MCH (Mean Corpuscular Hb) |                            |           |              |             |             |          |
|--|----------------------------|-----------|--------------|-------------|-------------|----------|
|  |                            | N         | Mean         | SD          | CV%         | Excluded |
|  | All Analyzer               | 170       | 27.27        | 2.32        | 8.50        | 4        |
| <b>Your Analyzer :</b>                       | <b>Horiba Yumizen H550</b> | <b>45</b> | <b>26.65</b> | <b>1.97</b> | <b>7.39</b> | <b>1</b> |
|  | Horiba Yumizen H500        | 18        | 26.51        | 1.78        | 6.73        | -        |
|  | Erba ELite 580             | 13        | 26.53        | 0.45        | 1.68        | -        |
|  | Mindray BC-5000            | 12        | 29.88        | 0.96        | 3.21        | -        |
|  | Horiba ABX Pentra XL 80    | 8         | 28.06        | 3.43        | 12.23       | 1        |
|  | Nihon Kohden Celltac Alpha | 6         | 26.71        | 2.52        | 9.45        | -        |
|  | Sysmex XP-100              | 5         | 27.55        | 1.98        | 7.19        | -        |
|  | Beckman Coulter DxH 560    | 5         | 23.86        | 0.48        | 2.00        | -        |

Remarks: Interpretation of your reports

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**Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration), g/dL**

**Comparative Statistics**

|                                       | N   | Mean  | SD   | CV%   | Excluded |
|---------------------------------------|-----|-------|------|-------|----------|
| All Methods                           | 170 | 21.53 | 2.56 | 11.88 | 6        |
| Calculated - (Your Method)            | 117 | 21.22 | 2.26 | 10.65 | 5        |
| Horiba Yumizen H550 - (Your Analyzer) | 44  | 20.97 | 2.05 | 9.79  | 2        |

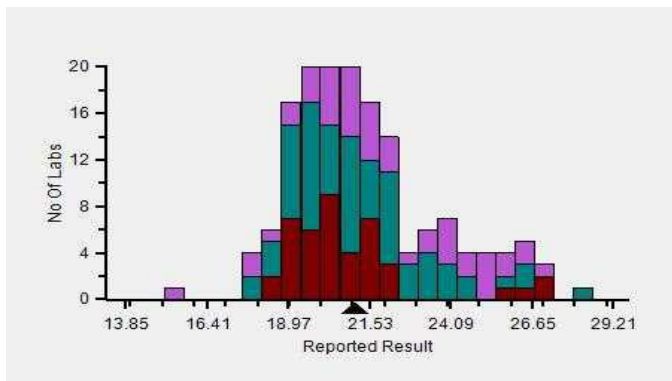
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |      |
|--------------------------|-------|-------------------|------|
| Your Result              | 21.10 | SDI / z-Score     | 0.25 |
| Assigned Value           | 20.53 | Average SDI       | 0.13 |
| SDPA                     | 2.300 | Uncertainty of AV | 0.38 |
| Standard Unit Result Val | 21.10 | %DEV              | 0.62 |

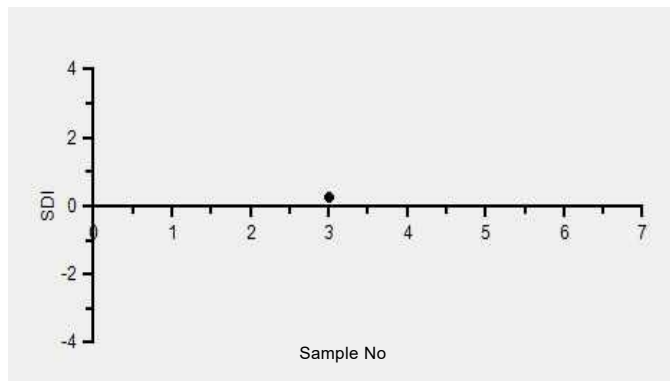
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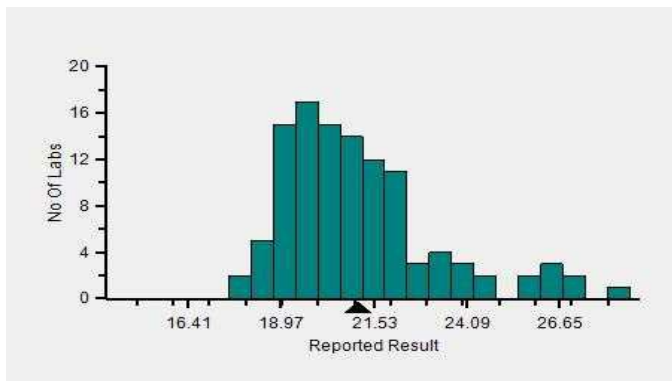
Frequency Histogram



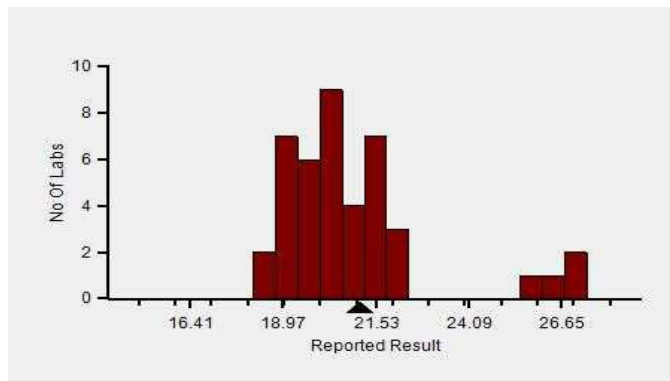
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration) |                            |           |              |             |             |          |
|---|----------------------------|-----------|--------------|-------------|-------------|----------|
|   |                            | N         | Mean         | SD          | CV%         | Excluded |
|   | All Analyzer               | 170       | 21.53        | 2.56        | 11.88       | 6        |
| <b>Your Analyzer :</b>                                      | <b>Horiba Yumizen H550</b> | <b>44</b> | <b>20.97</b> | <b>2.05</b> | <b>9.79</b> | <b>2</b> |
|   | Horiba Yumizen H500        | 19        | 20.98        | 2.10        | 9.99        | -        |
|   | Erba ELite 580             | 13        | 19.92        | 0.57        | 2.84        | -        |
|   | Mindray BC-5000            | 12        | 21.67        | 0.81        | 3.73        | 1        |
|   | Horiba ABX Pentra XL 80    | 8         | 26.19        | 3.24        | 12.38       | -        |
|   | Nihon Kohden Celltac Alpha | 6         | 21.10        | 3.19        | 15.10       | -        |
|   | Sysmex XP-100              | 5         | 24.28        | 1.59        | 6.56        | -        |
|   | Beckman Coulter DxH 560    | 5         | 18.60        | 0.70        | 3.74        | -        |

Remarks: Interpretation of your reports

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**Haematology - CBC, MCV (Mean Corpuscular Volume), fL**

**Comparative Statistics**

|                                       | N   | Mean   | SD    | CV%  | Excluded |
|---------------------------------------|-----|--------|-------|------|----------|
| All Methods                           | 170 | 127.18 | 10.21 | 8.03 | 1        |
| Calculated - (Your Method)            | 98  | 128.18 | 10.24 | 7.99 | --       |
| Horiba Yumizen H550 - (Your Analyzer) | 45  | 125.66 | 7.74  | 6.16 | --       |

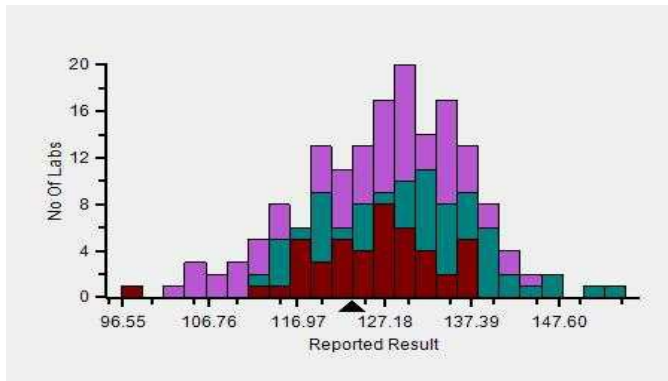
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |        |                   |       |
|--------------------------|--------|-------------------|-------|
| Your Result              | 123.50 | SDI / z-Score     | -0.21 |
| Assigned Value           | 126.21 | Average SDI       | -0.11 |
| SDPA                     | 13.200 | Uncertainty of AV | 2.02  |
| Standard Unit Result Val | 123.50 | %DEV              | -1.72 |

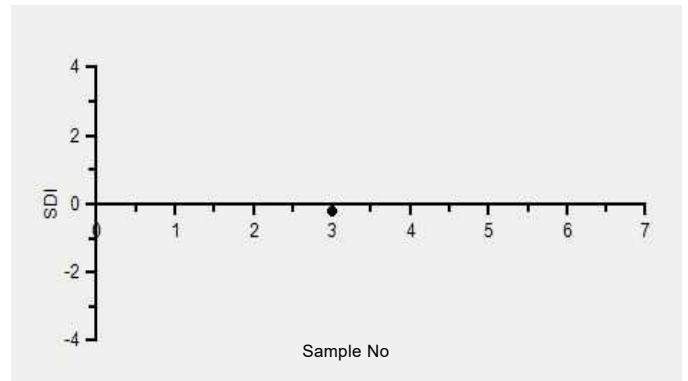
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

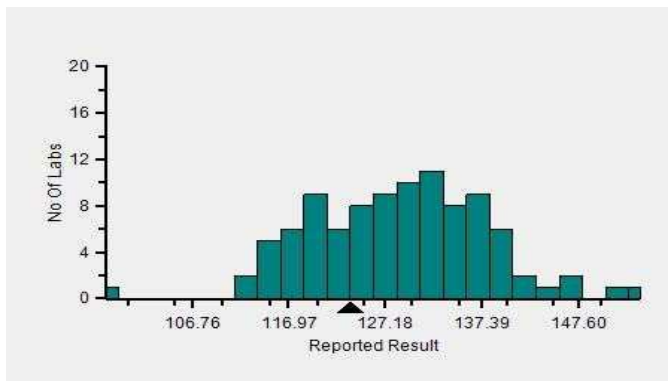
Frequency Histogram



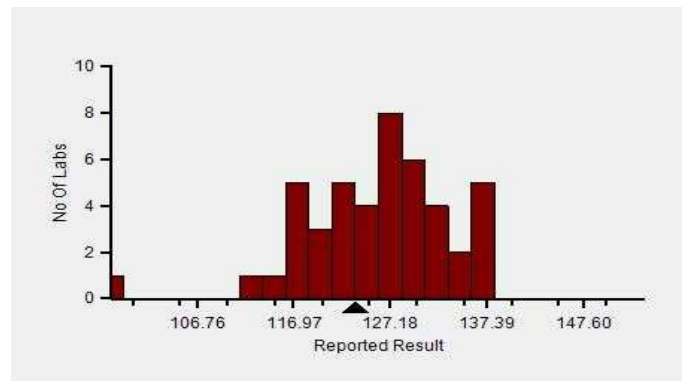
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, MCV (Mean Corpuscular Volume) |                            | N         | Mean          | SD          | CV%         | Excluded |
|--|----------------------------|-----------|---------------|-------------|-------------|----------|
|  | All Analyzer               | 170       | 127.18        | 10.21       | 8.03        | 1        |
| <b>Your Analyzer :</b>                           | <b>Horiba Yumizen H550</b> | <b>45</b> | <b>125.66</b> | <b>7.74</b> | <b>6.16</b> | -        |
|  | Horiba Yumizen H500        | 18        | 128.24        | 4.71        | 3.67        | -        |
|  | Erba ELite 580             | 13        | 133.26        | 3.51        | 2.63        | -        |
|  | Mindray BC-5000            | 12        | 138.14        | 3.63        | 2.63        | 1        |
|  | Horiba ABX Pentra XL 80    | 8         | 113.75        | 8.57        | 7.53        | -        |
|  | Nihon Kohden Celltac Alpha | 6         | 127.61        | 9.28        | 7.27        | -        |
|  | Sysmex XP-100              | 5         | 113.34        | 2.03        | 1.79        | -        |
|  | Beckman Coulter DxH 560    | 5         | 128.64        | 2.23        | 1.73        | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Platelet Count, 1000/  $\mu$ L**

**Comparative Statistics**

|                                       | N   | Mean  | SD    | CV%   | Excluded |
|---------------------------------------|-----|-------|-------|-------|----------|
| All Methods                           | 170 | 83.98 | 16.56 | 19.71 | 27       |
| Impedance - (Your Method)             | 159 | 83.87 | 15.70 | 18.72 | 26       |
| Horiba Yumizen H550 - (Your Analyzer) | 46  | 87.19 | 11.88 | 13.63 | 4        |

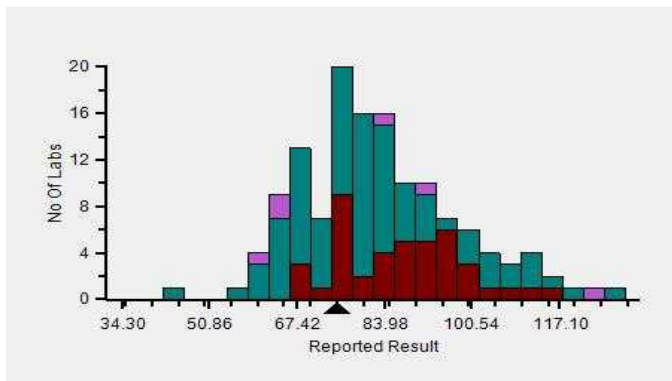
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |        |                   |        |
|--------------------------|--------|-------------------|--------|
| Your Result              | 75.00  | SDI / z-Score     | -0.46  |
| Assigned Value           | 81.43  | Average SDI       | -0.23  |
| SDPA                     | 14.055 | Uncertainty of AV | 2.27   |
| Standard Unit Result Val | 75.00  | %DEV              | -13.98 |

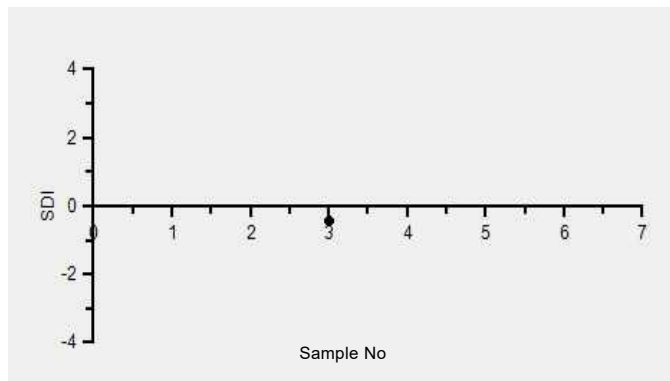
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

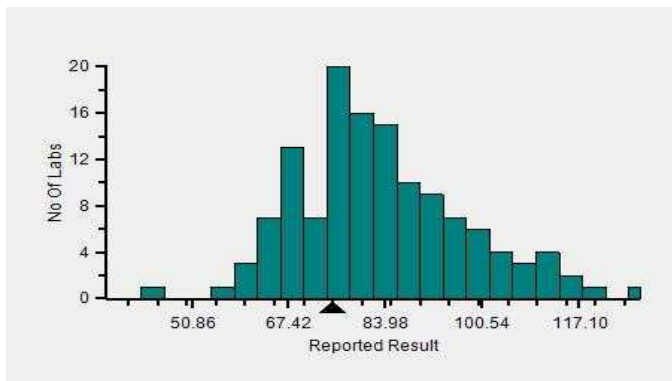
Frequency Histogram



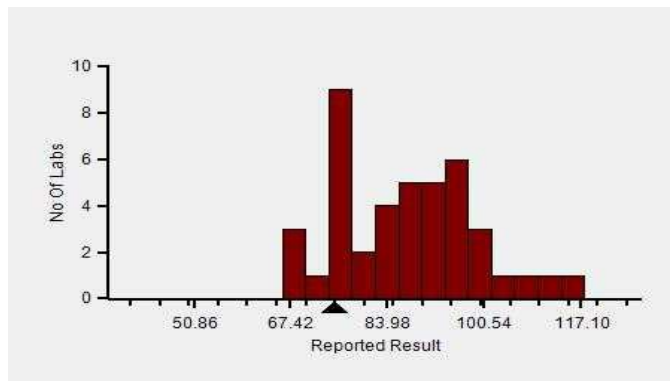
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, Platelet Count |                            | N         | Mean         | SD           | CV%          | Excluded |
|-----------------------------------|----------------------------|-----------|--------------|--------------|--------------|----------|
|                                   | All Analyzer               | 170       | 83.98        | 16.56        | 19.71        | 27       |
| <b>Your Analyzer :</b>            | <b>Horiba Yumizen H550</b> | <b>46</b> | <b>87.19</b> | <b>11.88</b> | <b>13.63</b> | <b>4</b> |
|                                   | Horiba Yumizen H500        | 17        | 74.44        | 17.84        | 23.97        | 1        |
|                                   | Erba ELite 580             | 13        | 80.17        | 4.71         | 5.87         | 1        |
|                                   | Mindray BC-5000            | 12        | 79.46        | 6.02         | 7.58         | 1        |
|                                   | Horiba ABX Pentra XL 80    | 8         | 134.00       | 10.86        | 8.11         | 4        |
|                                   | Nihon Kohden Celltac Alpha | 6         | 77.93        | 12.12        | 15.56        | -        |
|                                   | Sysmex XP-100              | 5         | 71.25        | 8.06         | 11.31        | 1        |
|                                   | Beckman Coulter DxH 560    | 5         | 83.94        | 3.00         | 3.58         | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
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Interpretation when an analyte is reported for multiple samples in a Round:

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  - One out of three pass - Unacceptable performance, Review for systematic error
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Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, RDW CV%, %**

**Comparative Statistics**

|                                       | N   | Mean  | SD   | CV%   | Excluded |
|---------------------------------------|-----|-------|------|-------|----------|
| All Methods                           | 161 | 27.35 | 6.33 | 23.16 | 8        |
| Calculated - (Your Method)            | 144 | 27.07 | 6.33 | 23.36 | 7        |
| Horiba Yumizen H550 - (Your Analyzer) | 45  | 24.07 | 4.22 | 17.54 | 2        |

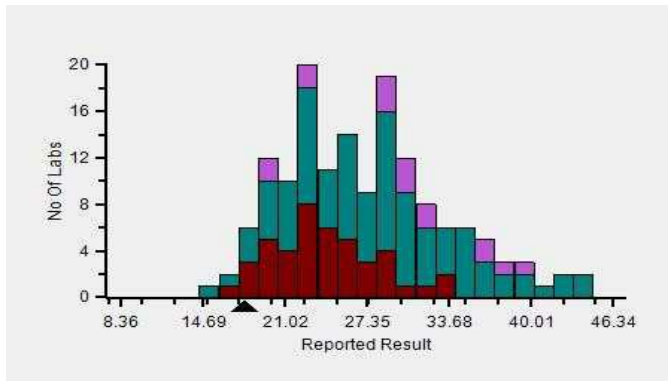
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |        |
|--------------------------|-------|-------------------|--------|
| Your Result              | 17.90 | SDI / z-Score     | -1.51  |
| Assigned Value           | 23.70 | Average SDI       | -0.76  |
| SDPA                     | 3.830 | Uncertainty of AV | 0.62   |
| Standard Unit Result Val | 17.90 | %DEV              | -25.65 |

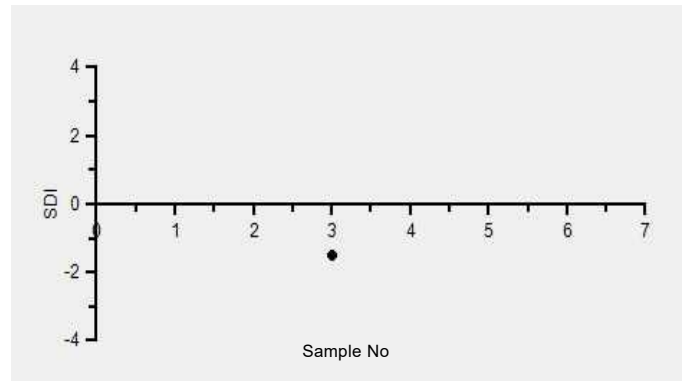
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

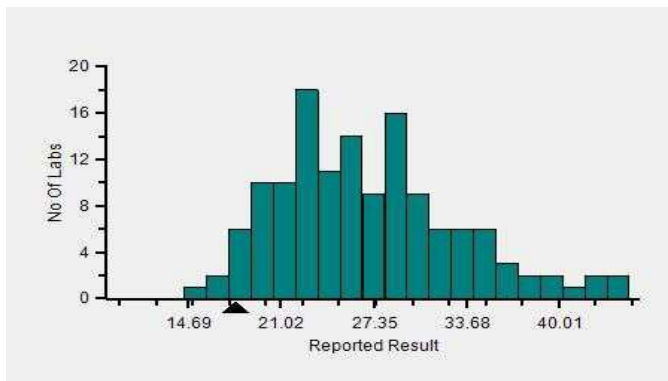
Frequency Histogram



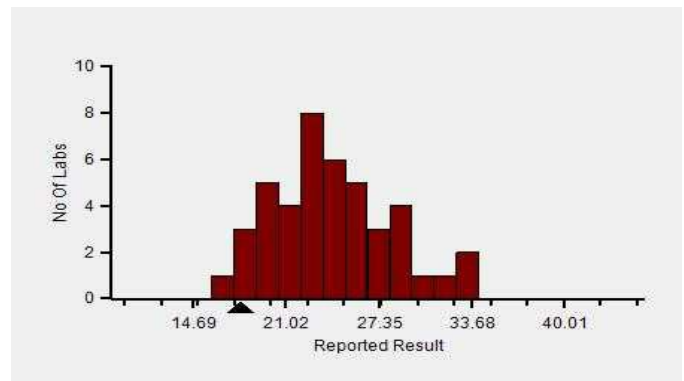
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, RDW CV% |                            | N         | Mean         | SD          | CV%          | Excluded |
|----------------------------|----------------------------|-----------|--------------|-------------|--------------|----------|
|                            | All Analyzer               | 161       | 27.35        | 6.33        | 23.16        | 8        |
| <b>Your Analyzer :</b>     | <b>Horiba Yumizen H550</b> | <b>45</b> | <b>24.07</b> | <b>4.22</b> | <b>17.54</b> | <b>2</b> |
|                            | Horiba Yumizen H500        | 18        | 22.62        | 3.36        | 14.86        | -        |
|                            | Erba ELite 580             | 13        | 29.67        | 1.94        | 6.55         | 2        |
|                            | Mindray BC-5000            | 11        | 32.21        | 3.86        | 11.98        | 1        |
|                            | Horiba ABX Pentra XL 80    | 7         | 21.04        | 1.70        | 8.09         | -        |
|                            | Nihon Kohden Celltac Alpha | 6         | 32.35        | 5.77        | 17.84        | -        |
|                            | Beckman Coulter DxH 560    | 5         | 35.90        | 5.39        | 15.03        | -        |
|                            | Avantor H 33-S             | 5         | 30.64        | 4.32        | 14.09        | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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  - All pass - Acceptable performance
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  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error





Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Total Leucocytes (WBC) count, /µl**

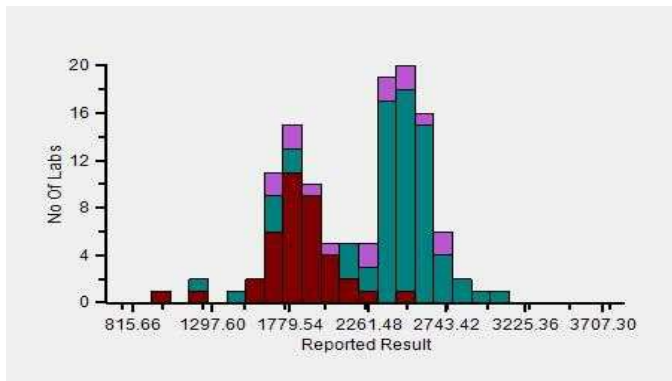
**Comparative Statistics**

|                                       | N   | Mean     | SD     | CV%   | Excluded |
|---------------------------------------|-----|----------|--------|-------|----------|
| All Methods                           | 170 | 2,261.48 | 481.94 | 21.31 | 42       |
| Impedance - (Your Method)             | 146 | 2,262.87 | 500.19 | 22.10 | 38       |
| Horiba Yumizen H550 - (Your Analyzer) | 45  | 1,835.53 | 252.65 | 13.76 | 7        |

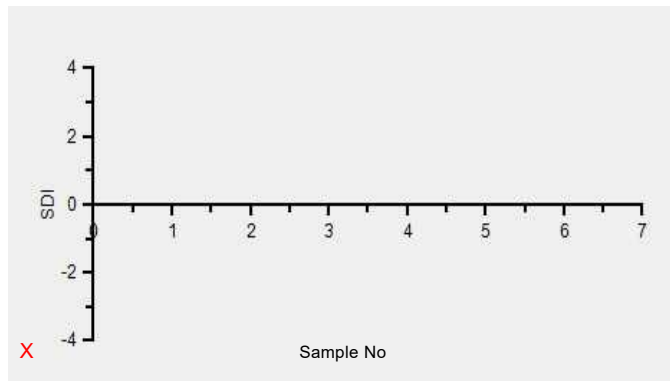
|                                 |          |                          |        |
|---------------------------------|----------|--------------------------|--------|
| <b>Your Result</b>              | 1.85     | <b>SDI / z-Score</b>     | *      |
| <b>Assigned Value</b>           | 1,834.53 | <b>Average SDI</b>       | 0.00   |
| <b>SDPA</b>                     | 286.500  | <b>Uncertainty of AV</b> | 52.80  |
| <b>Standard Unit Result Val</b> | 1.85     | <b>%DEV</b>              | -99.90 |

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

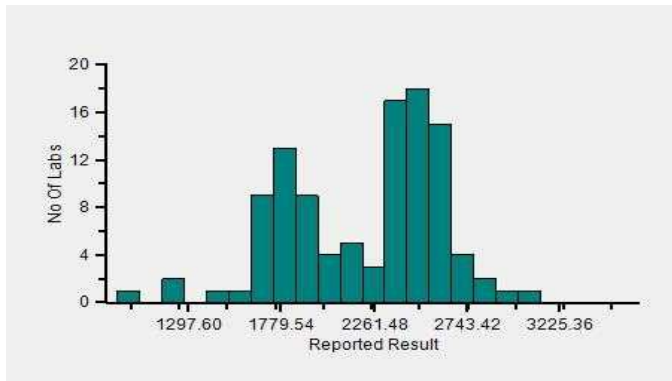
Frequency Histogram



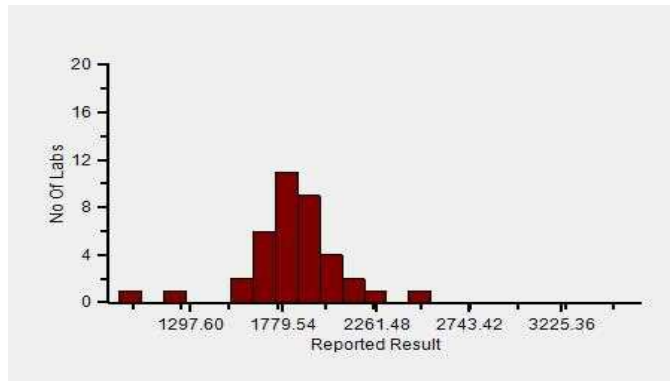
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, Total Leucocytes (WBC) count |                            |           |                 |               |              |          |
|---|----------------------------|-----------|-----------------|---------------|--------------|----------|
|   |                            | N         | Mean            | SD            | CV%          | Excluded |
|   | All Analyzer               | 170       | 2,261.48        | 481.94        | 21.31        | 42       |
| <b>Your Analyzer :</b>                          | <b>Horiba Yumizen H550</b> | <b>45</b> | <b>1,835.53</b> | <b>252.65</b> | <b>13.76</b> | <b>7</b> |
|   | Horiba Yumizen H500        | 18        | 1,859.29        | 375.10        | 20.17        | 4        |
|   | Erba ELite 580             | 13        | 2,500.00        | 58.55         | 2.34         | 5        |
|   | Mindray BC-5000            | 12        | 2,525.46        | 206.46        | 8.18         | 1        |
|   | Horiba ABX Pentra XL 80    | 8         | 4,400.00        | 0.00          | 0.00         | 6        |
|   | Nihon Kohden Celltac Alpha | 6         | 2,548.00        | 97.57         | 3.83         | 1        |
|   | Sysmex XP-100              | 5         | 2,500.00        | 264.58        | 10.58        | 2        |
|   | Beckman Coulter DxH 560    | 5         | 2,456.00        | 69.14         | 2.82         | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
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  - All pass - Acceptable performance
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  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error

*Dr. Puneet Kumar Nigam*

**Dr Puneet Kumar Nigam**  
**PT coordinator & Technical Manager, MHL EQAS**  
Unit No. 409-416.  
Commercial Building - 1A  
Kohinoor Mall, Kirool Road, Kurla (W),  
Mumbai - 400070

This is a computer generated report hence signature is not required



PC-1022

Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Erythrocyte (RBC) Count, mill/cu.mm**

**Comparative Statistics**

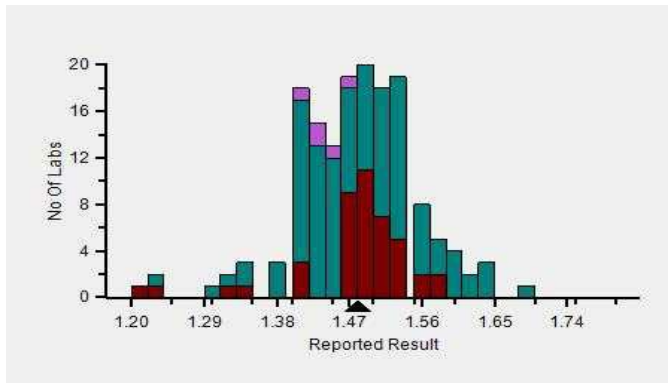
|                                       | N   | Mean | SD   | CV%  | Excluded |
|---------------------------------------|-----|------|------|------|----------|
| All Methods                           | 169 | 1.47 | 0.09 | 6.00 | 6        |
| Impedance - (Your Method)             | 165 | 1.47 | 0.09 | 6.20 | 5        |
| Horiba Yumizen H550 - (Your Analyzer) | 47  | 1.45 | 0.12 | 8.29 | 1        |

**Evaluation Based On - Equipment wise Peer Grouping**

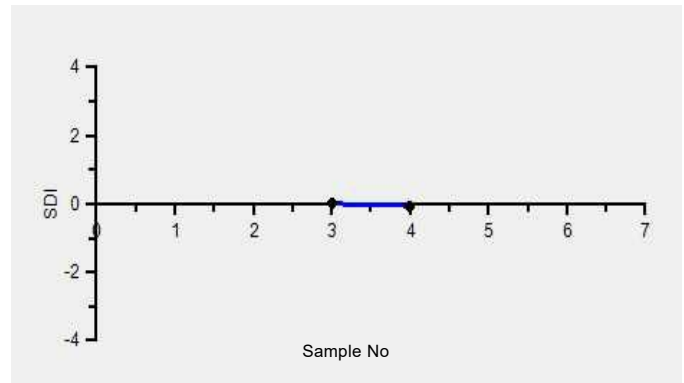
|                          |       |                   |       |
|--------------------------|-------|-------------------|-------|
| Your Result              | 1.48  | SDI / z-Score     | -0.05 |
| Assigned Value           | 1.49  | Average SDI       | -0.02 |
| SDPA                     | 0.160 | Uncertainty of AV | 0.03  |
| Standard Unit Result Val | 1.48  | %DEV              | 2.28  |

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

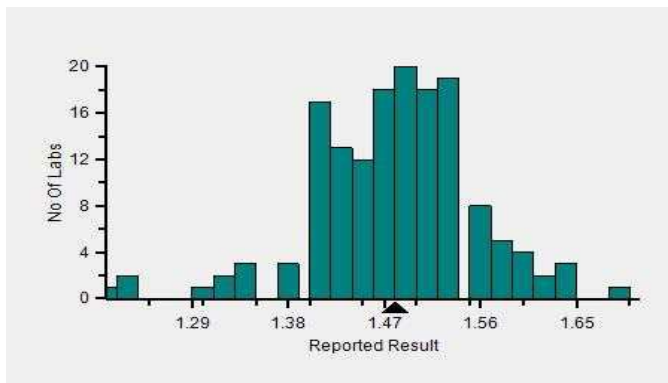
Frequency Histogram



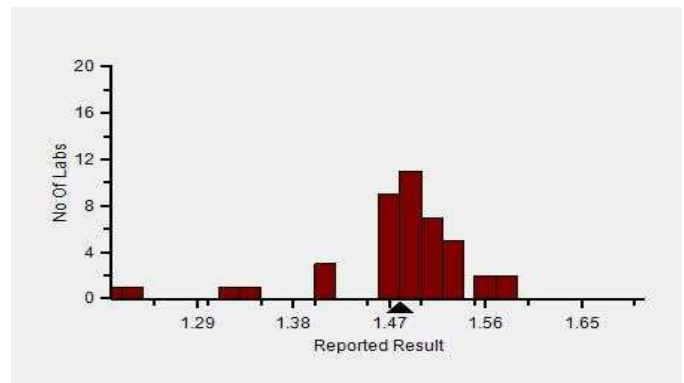
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, Erythrocyte (RBC) Count |                            |           |             |             |             |          |
|--|----------------------------|-----------|-------------|-------------|-------------|----------|
|  |                            | N         | Mean        | SD          | CV%         | Excluded |
|  | All Analyzer               | 169       | 1.47        | 0.09        | 6.00        | 6        |
| <b>Your Analyzer :</b>                     | <b>Horiba Yumizen H550</b> | <b>47</b> | <b>1.45</b> | <b>0.12</b> | <b>8.29</b> | <b>1</b> |
|  | Horiba Yumizen H500        | 17        | 1.46        | 0.07        | 4.88        | 1        |
|  | Horiba Yumizen H500        | 17        | 1.46        | 0.07        | 4.88        | 1        |
|  | Erba ELite 580             | 13        | 1.45        | 0.06        | 4.21        | -        |
|  | Mindray BC-5000            | 12        | 1.49        | 0.06        | 3.89        | -        |
|  | Horiba ABX Pentra XL 80    | 9         | 1.43        | 0.03        | 2.38        | -        |
|  | Nihon Kohden Celltac Alpha | 6         | 1.54        | 0.06        | 3.70        | -        |
|  | Sysmex XP-100              | 5         | 1.59        | 0.04        | 2.26        | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Interpretation when an analyte is reported for multiple samples in a Round:

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Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Haemoglobin, g/dL**

**Comparative Statistics**

|                                       | N   | Mean | SD   | CV%  | Excluded |
|---------------------------------------|-----|------|------|------|----------|
| All Methods                           | 169 | 4.22 | 0.28 | 6.52 | 4        |
| Photometric - (Your Method)           | 45  | 4.11 | 0.29 | 7.03 | 3        |
| Horiba Yumizen H550 - (Your Analyzer) | 47  | 4.05 | 0.12 | 2.89 | 1        |

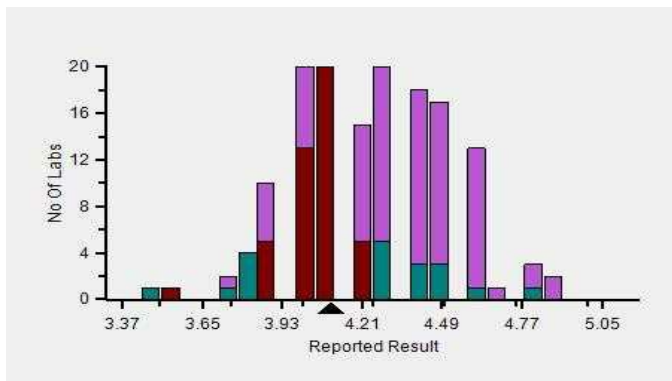
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |      |
|--------------------------|-------|-------------------|------|
| Your Result              | 4.10  | SDI / z-Score     | 0.10 |
| Assigned Value           | 4.07  | Average SDI       | 0.05 |
| SDPA                     | 0.280 | Uncertainty of AV | 0.04 |
| Standard Unit Result Val | 4.10  | %DEV              | 1.31 |

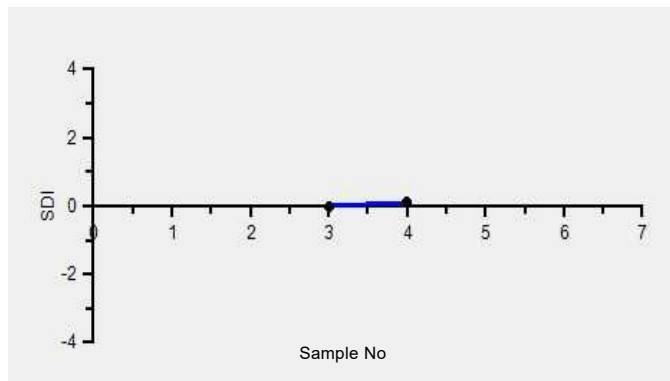
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

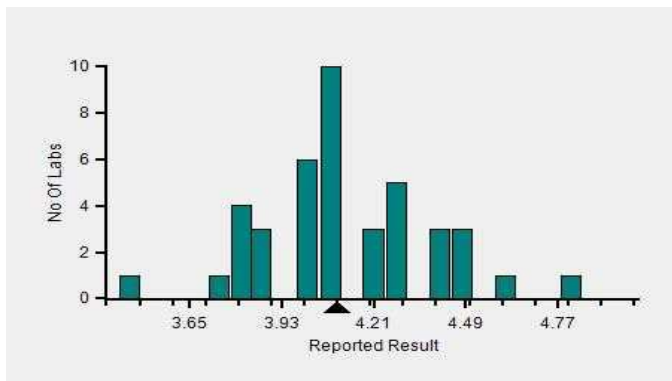
Frequency Histogram



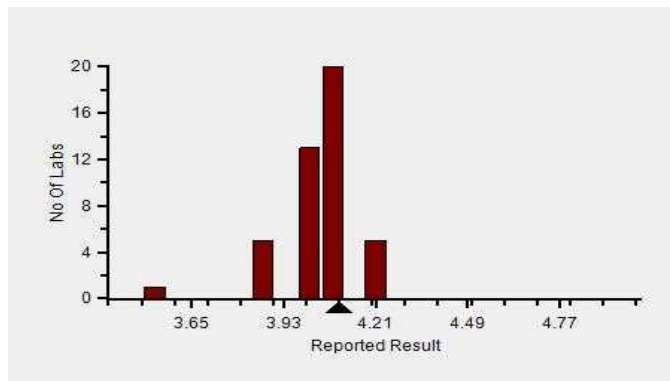
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, Haemoglobin |                            | N         | Mean        | SD          | CV%         | Excluded |
|--------------------------------|----------------------------|-----------|-------------|-------------|-------------|----------|
|                                | All Analyzer               | 169       | 4.22        | 0.28        | 6.52        | 4        |
| <b>Your Analyzer :</b>         | <b>Horiba Yumizen H550</b> | <b>47</b> | <b>4.05</b> | <b>0.12</b> | <b>2.89</b> | <b>1</b> |
|                                | Horiba Yumizen H500        | 17        | 4.03        | 0.21        | 5.24        | 1        |
|                                | Horiba Yumizen H500        | 17        | 4.03        | 0.21        | 5.24        | 1        |
|                                | Erba ELite 580             | 13        | 4.30        | 0.20        | 4.74        | -        |
|                                | Horiba ABX Pentra XL 80    | 9         | 4.26        | 0.12        | 2.91        | -        |
|                                | Mindray BC 5000            | 8         | 4.59        | 0.06        | 1.40        | -        |
|                                | Nihon Kohden Celltac Alpha | 6         | 4.39        | 0.13        | 3.05        | -        |
|                                | Sysmex XP-100              | 5         | 4.46        | 0.09        | 2.00        | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Hematocrit, %**

**Comparative Statistics**

|                                       | N   | Mean  | SD   | CV%   | Excluded |
|---------------------------------------|-----|-------|------|-------|----------|
| All Methods                           | 162 | 18.52 | 2.30 | 12.42 | 4        |
| Calculated - (Your Method)            | 101 | 18.48 | 2.45 | 13.25 | 2        |
| Horiba Yumizen H550 - (Your Analyzer) | 47  | 17.87 | 2.29 | 12.79 | --       |

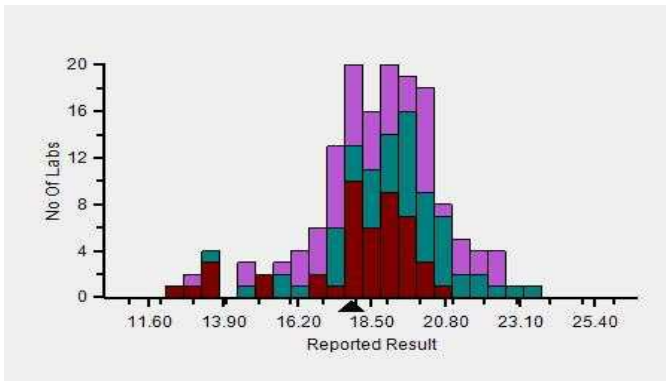
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |       |
|--------------------------|-------|-------------------|-------|
| Your Result              | 17.90 | SDI / z-Score     | -0.23 |
| Assigned Value           | 18.57 | Average SDI       | -0.22 |
| SDPA                     | 2.900 | Uncertainty of AV | 0.47  |
| Standard Unit Result Val | 17.90 | %DEV              | 0.19  |

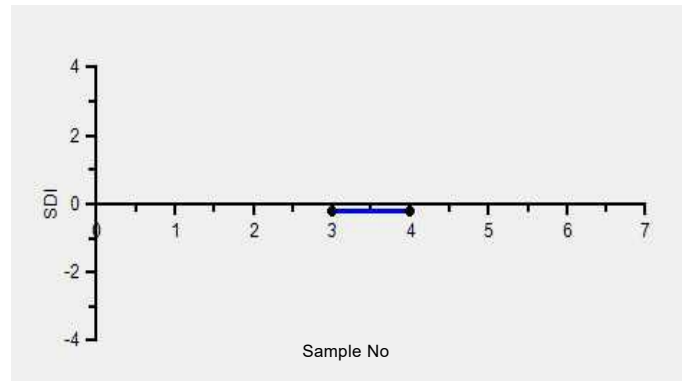
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

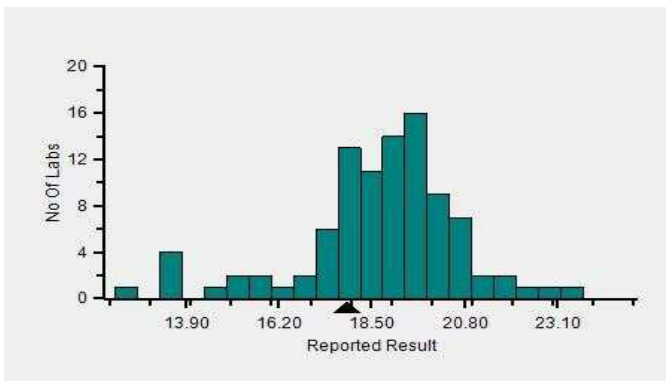
Frequency Histogram



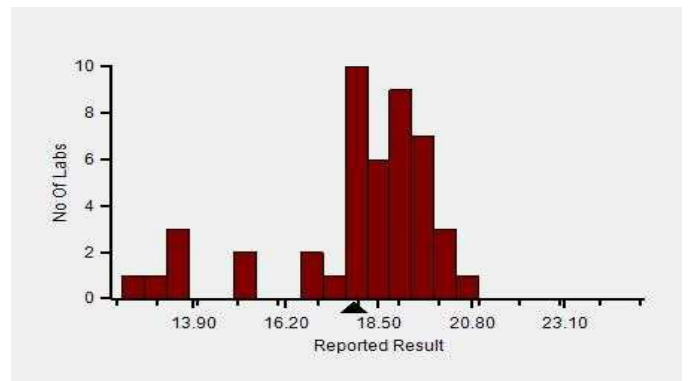
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, Hematocrit |                            | N         | Mean         | SD          | CV%          | Excluded |
|-------------------------------|----------------------------|-----------|--------------|-------------|--------------|----------|
|                               | All Analyzer               | 162       | 18.52        | 2.30        | 12.42        | 4        |
| <b>Your Analyzer :</b>        | <b>Horiba Yumizen H550</b> | <b>47</b> | <b>17.87</b> | <b>2.29</b> | <b>12.79</b> | -        |
|                               | Horiba Yumizen H500        | 17        | 17.92        | 2.09        | 11.69        | -        |
|                               | Horiba Yumizen H500        | 17        | 17.92        | 2.09        | 11.69        | -        |
|                               | Erba ELite 580             | 13        | 19.59        | 1.00        | 5.09         | -        |
|                               | Mindray BC-5000            | 12        | 20.68        | 2.13        | 10.32        | -        |
|                               | Horiba ABX Pentra XL 80    | 8         | 16.31        | 1.91        | 11.71        | -        |
|                               | Nihon Kohden Celltac Alpha | 6         | 19.80        | 1.40        | 7.05         | -        |
|                               | Sysmex XN 350              | 5         | 19.78        | 1.39        | 7.05         | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error





Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, MCH (Mean Corpuscular Hb), pg**

**Comparative Statistics**

|                                       | N   | Mean  | SD   | CV%  | Excluded |
|---------------------------------------|-----|-------|------|------|----------|
| All Methods                           | 169 | 28.76 | 2.07 | 7.18 | 3        |
| Calculated - (Your Method)            | 118 | 28.70 | 2.10 | 7.30 | 3        |
| Horiba Yumizen H550 - (Your Analyzer) | 46  | 27.88 | 1.91 | 6.85 | 1        |

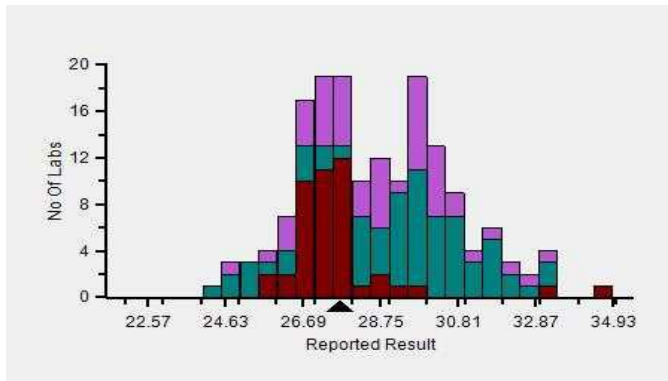
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |       |
|--------------------------|-------|-------------------|-------|
| Your Result              | 27.70 | SDI / z-Score     | 0.12  |
| Assigned Value           | 27.38 | Average SDI       | 0.08  |
| SDPA                     | 2.700 | Uncertainty of AV | 0.44  |
| Standard Unit Result Val | 27.70 | %DEV              | -0.65 |

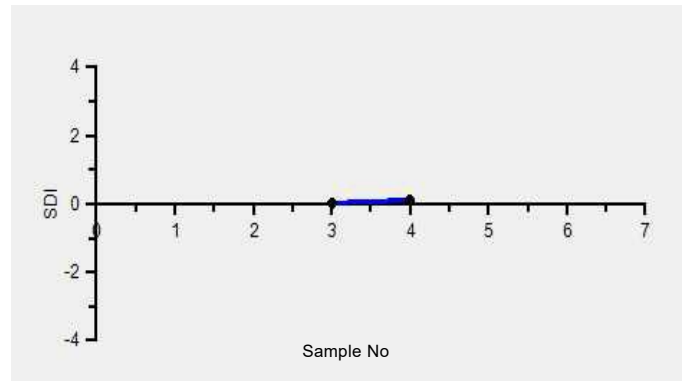
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

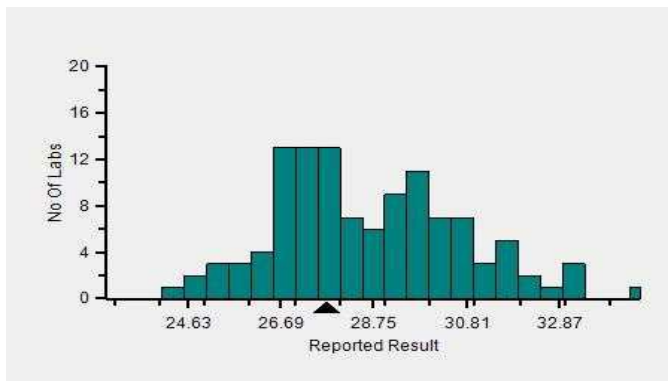
Frequency Histogram



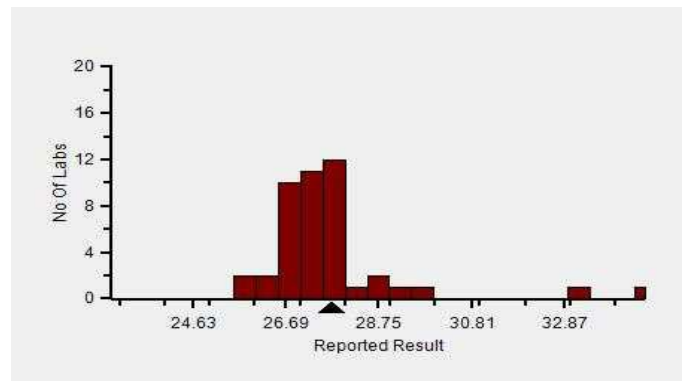
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 04

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, MCH (Mean Corpuscular Hb) |                            |           |              |             |             |          |
|--|----------------------------|-----------|--------------|-------------|-------------|----------|
|  |                            | N         | Mean         | SD          | CV%         | Excluded |
|  | All Analyzer               | 169       | 28.76        | 2.07        | 7.18        | 3        |
| <b>Your Analyzer :</b>                       | <b>Horiba Yumizen H550</b> | <b>46</b> | <b>27.88</b> | <b>1.91</b> | <b>6.85</b> | <b>1</b> |
|  | Horiba Yumizen H500        | 18        | 27.75        | 1.19        | 4.29        | -        |
|  | Horiba Yumizen H500        | 18        | 27.75        | 1.19        | 4.29        | -        |
|  | Erba ELite 580             | 13        | 29.70        | 0.71        | 2.40        | -        |
|  | Mindray BC-5000            | 12        | 30.94        | 1.13        | 3.65        | -        |
|  | Horiba ABX Pentra XL 80    | 9         | 29.66        | 0.31        | 1.04        | -        |
|  | Nihon Kohden Celltac Alpha | 6         | 28.47        | 1.39        | 4.89        | -        |
|  | Sysmex XP-100              | 5         | 27.96        | 0.75        | 2.68        | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration), g/dL**

**Comparative Statistics**

|                                       | N   | Mean  | SD   | CV%   | Excluded |
|---------------------------------------|-----|-------|------|-------|----------|
| All Methods                           | 169 | 22.66 | 2.42 | 10.67 | 7        |
| Calculated - (Your Method)            | 117 | 22.24 | 2.21 | 9.95  | 6        |
| Horiba Yumizen H550 - (Your Analyzer) | 45  | 22.18 | 2.03 | 9.13  | 3        |

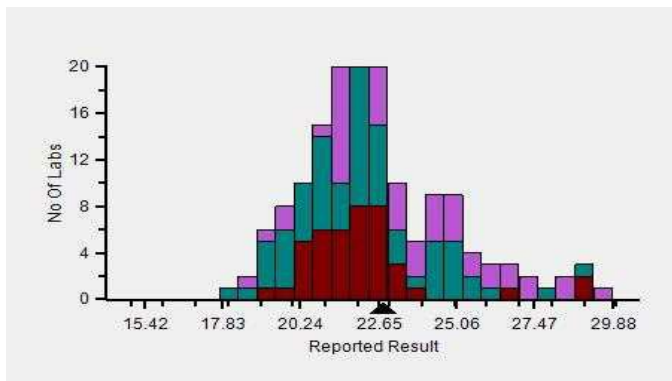
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |      |
|--------------------------|-------|-------------------|------|
| Your Result              | 22.80 | SDI / z-Score     | 0.33 |
| Assigned Value           | 21.96 | Average SDI       | 0.29 |
| SDPA                     | 2.560 | Uncertainty of AV | 0.41 |
| Standard Unit Result Val | 22.80 | %DEV              | 2.80 |

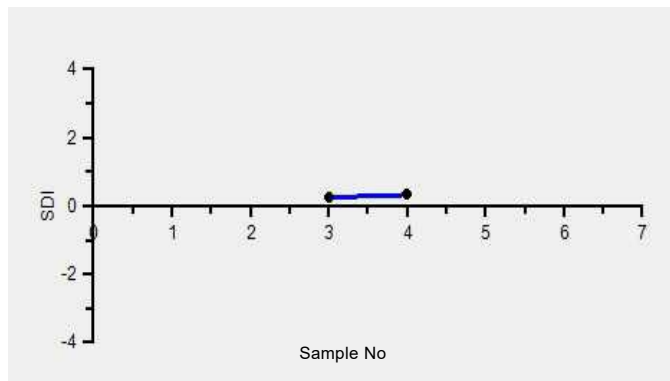
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

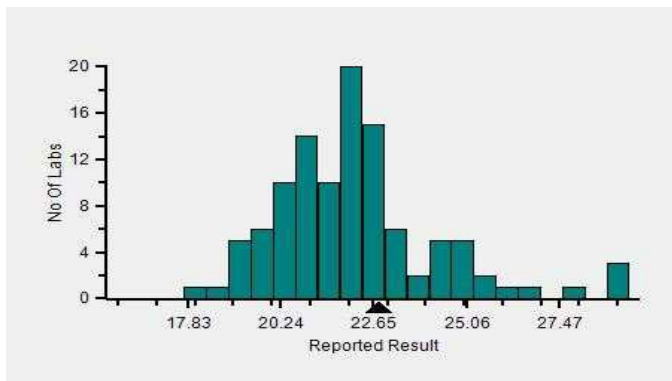
Frequency Histogram



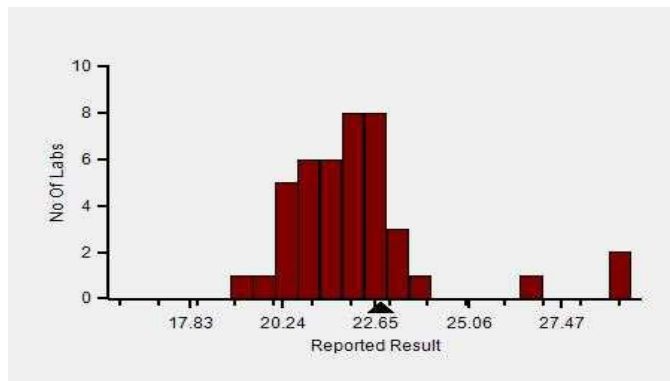
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration)**

|                        |                            | N         | Mean         | SD          | CV%         | Excluded |
|------------------------|----------------------------|-----------|--------------|-------------|-------------|----------|
|                        | All Analyzer               | 169       | 22.66        | 2.42        | 10.67       | 7        |
| <b>Your Analyzer :</b> | <b>Horiba Yumizen H550</b> | <b>45</b> | <b>22.18</b> | <b>2.03</b> | <b>9.13</b> | <b>3</b> |
|                        | Horiba Yumizen H500        | 19        | 22.06        | 1.25        | 5.67        | -        |
|                        | Horiba Yumizen H500        | 19        | 22.06        | 1.25        | 5.67        | -        |
|                        | Erba ELite 580             | 13        | 22.03        | 0.48        | 2.19        | -        |
|                        | Mindray BC-5000            | 12        | 21.72        | 1.40        | 6.44        | 1        |
|                        | Horiba ABX Pentra XL 80    | 9         | 26.74        | 2.71        | 10.12       | -        |
|                        | Nihon Kohden Celltac Alpha | 6         | 22.24        | 1.70        | 7.64        | -        |
|                        | Sysmex XP-100              | 5         | 24.76        | 0.77        | 3.10        | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, MCV (Mean Corpuscular Volume), fL**

**Comparative Statistics**

|                                       | N   | Mean   | SD    | CV%  | Excluded |
|---------------------------------------|-----|--------|-------|------|----------|
| All Methods                           | 169 | 127.06 | 12.09 | 9.52 | 1        |
| Calculated - (Your Method)            | 100 | 128.35 | 11.91 | 9.28 | --       |
| Horiba Yumizen H550 - (Your Analyzer) | 46  | 124.09 | 8.71  | 7.02 | --       |

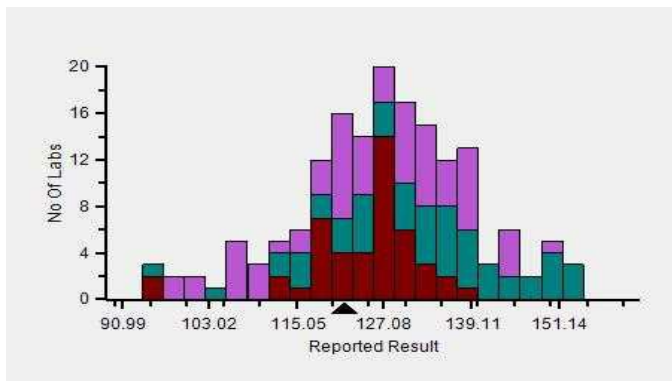
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |        |                   |       |
|--------------------------|--------|-------------------|-------|
| Your Result              | 121.70 | SDI / z-Score     | -0.29 |
| Assigned Value           | 125.10 | Average SDI       | -0.25 |
| SDPA                     | 11.700 | Uncertainty of AV | 1.81  |
| Standard Unit Result Val | 121.70 | %DEV              | -1.93 |

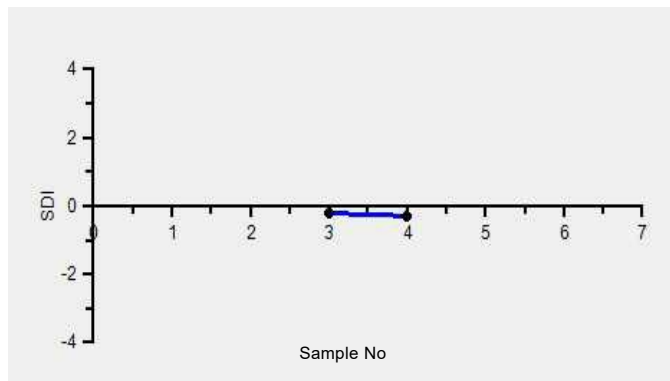
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

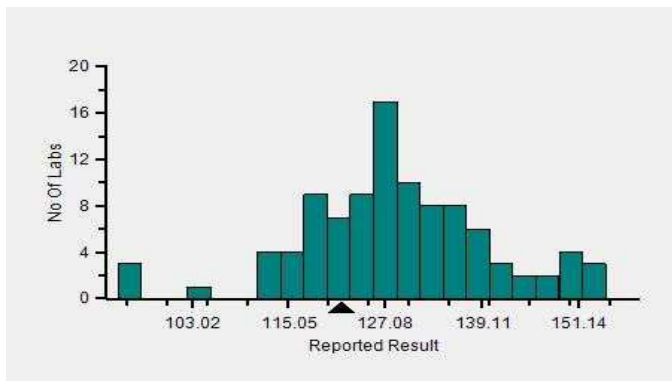
Frequency Histogram



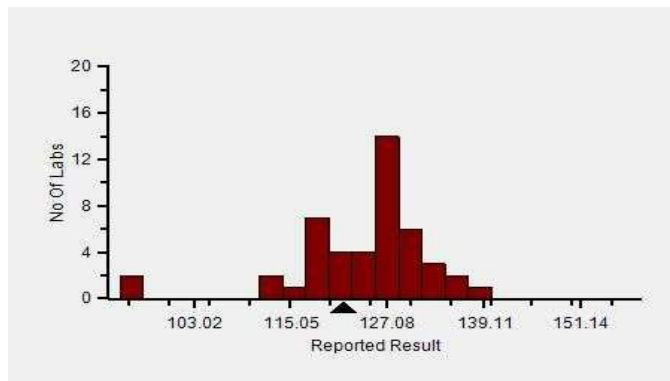
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, MCV (Mean Corpuscular Volume) |                            | N         | Mean          | SD          | CV%         | Excluded |
|--|----------------------------|-----------|---------------|-------------|-------------|----------|
|  | All Analyzer               | 169       | 127.06        | 12.09       | 9.52        | 1        |
| <b>Your Analyzer :</b>                           | <b>Horiba Yumizen H550</b> | <b>46</b> | <b>124.09</b> | <b>8.71</b> | <b>7.02</b> | -        |
|  | Horiba Yumizen H500        | 18        | 126.01        | 3.90        | 3.10        | -        |
|  | Horiba Yumizen H500        | 18        | 126.01        | 3.90        | 3.10        | -        |
|  | Erba ELite 580             | 13        | 134.87        | 3.18        | 2.36        | -        |
|  | Mindray BC-5000            | 12        | 142.99        | 6.67        | 4.66        | 1        |
|  | Horiba ABX Pentra XL 80    | 9         | 111.89        | 10.48       | 9.37        | -        |
|  | Nihon Kohden Celltac Alpha | 6         | 128.57        | 12.30       | 9.56        | -        |
|  | Sysmex XP-100              | 5         | 112.84        | 3.62        | 3.21        | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 04

Sample Date : 07/10/2023

**Haematology - CBC, Platelet Count, 1000/  $\mu$ L**

**Comparative Statistics**

|                                       | N   | Mean   | SD    | CV%   | Excluded |
|---------------------------------------|-----|--------|-------|-------|----------|
| All Methods                           | 169 | 145.29 | 21.38 | 14.71 | 13       |
| Impedance - (Your Method)             | 160 | 146.50 | 21.31 | 14.55 | 12       |
| Horiba Yumizen H550 - (Your Analyzer) | 47  | 151.44 | 16.93 | 11.18 | 1        |

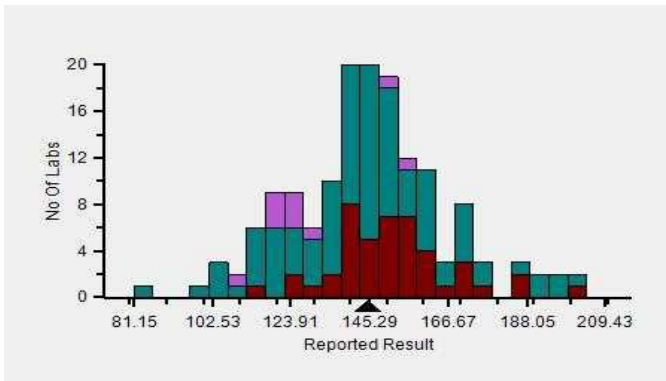
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |        |                   |       |
|--------------------------|--------|-------------------|-------|
| Your Result              | 145.00 | SDI / z-Score     | 0.09  |
| Assigned Value           | 143.16 | Average SDI       | -0.19 |
| SDPA                     | 21.200 | Uncertainty of AV | 3.31  |
| Standard Unit Result Val | 145.00 | %DEV              | -4.26 |

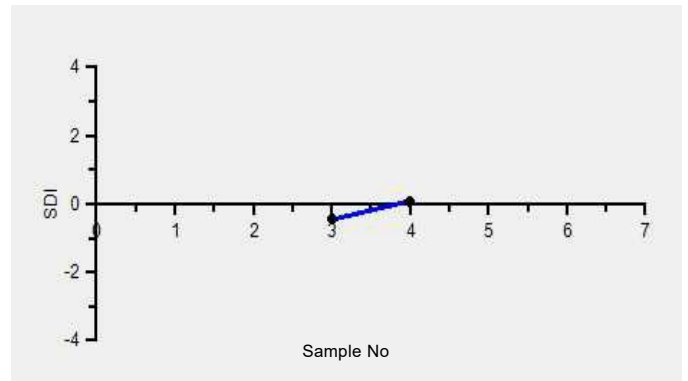
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

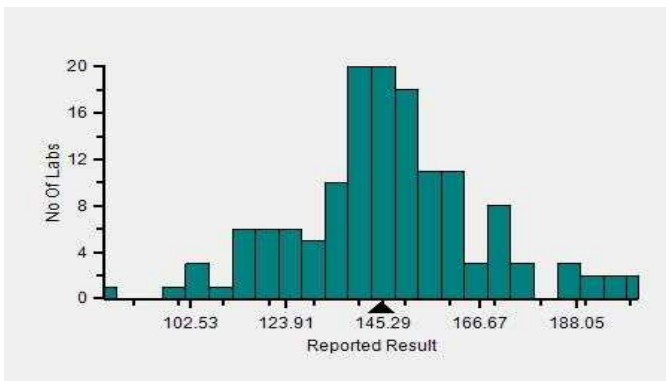
Frequency Histogram



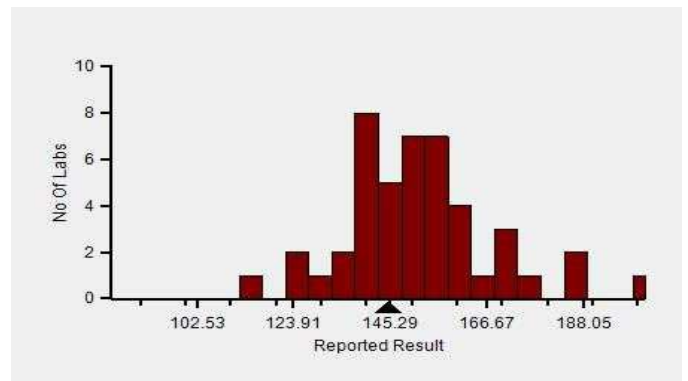
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Platelet Count**

|                        |                            | N         | Mean          | SD           | CV%          | Excluded |
|------------------------|----------------------------|-----------|---------------|--------------|--------------|----------|
|                        | All Analyzer               | 169       | 145.29        | 21.38        | 14.71        | 13       |
| <b>Your Analyzer :</b> | <b>Horiba Yumizen H550</b> | <b>47</b> | <b>151.44</b> | <b>16.93</b> | <b>11.18</b> | <b>1</b> |
|                        | Horiba Yumizen H500        | 17        | 118.19        | 18.38        | 15.55        | -        |
|                        | Horiba Yumizen H500        | 17        | 118.19        | 18.38        | 15.55        | -        |
|                        | Erba ELite 580             | 13        | 146.17        | 8.39         | 5.74         | 1        |
|                        | Mindray BC-5000            | 12        | 145.64        | 8.88         | 6.10         | 1        |
|                        | Horiba ABX Pentra XL 80    | 9         | 155.40        | 16.55        | 10.65        | 4        |
|                        | Nihon Kohden Celltac Alpha | 6         | 141.67        | 12.31        | 8.69         | -        |
|                        | Sysmex XP-100              | 5         | 129.40        | 19.93        | 15.40        | -        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 04

Sample Date : 07/10/2023

**Haematology - CBC, RDW CV%, %**

**Comparative Statistics**

|                                       | N   | Mean  | SD   | CV%   | Excluded |
|---------------------------------------|-----|-------|------|-------|----------|
| All Methods                           | 158 | 26.95 | 6.65 | 24.67 | 22       |
| Calculated - (Your Method)            | 143 | 26.58 | 6.59 | 24.77 | 21       |
| Horiba Yumizen H550 - (Your Analyzer) | 46  | 22.46 | 2.86 | 12.72 | 6        |

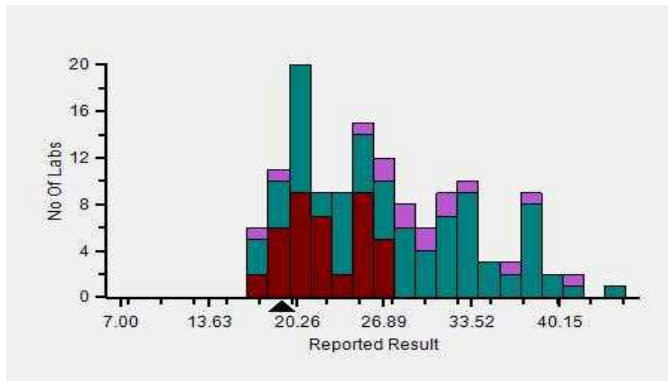
**Evaluation Based On - Equipment wise Peer Grouping**

|                          |       |                   |        |
|--------------------------|-------|-------------------|--------|
| Your Result              | 19.20 | SDI / z-Score     | -0.81  |
| Assigned Value           | 21.81 | Average SDI       | -1.16  |
| SDPA                     | 3.229 | Uncertainty of AV | 0.53   |
| Standard Unit Result Val | 19.20 | %DEV              | -14.51 |

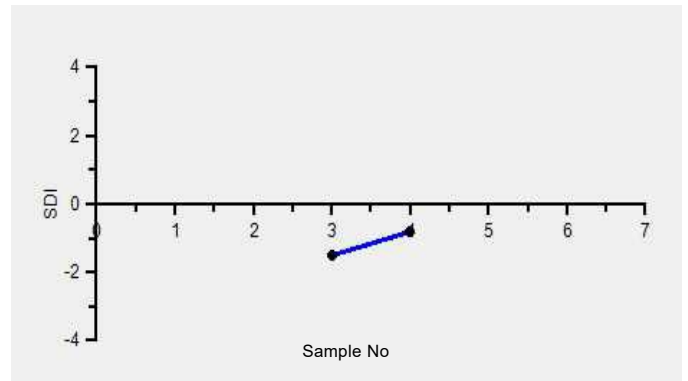
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

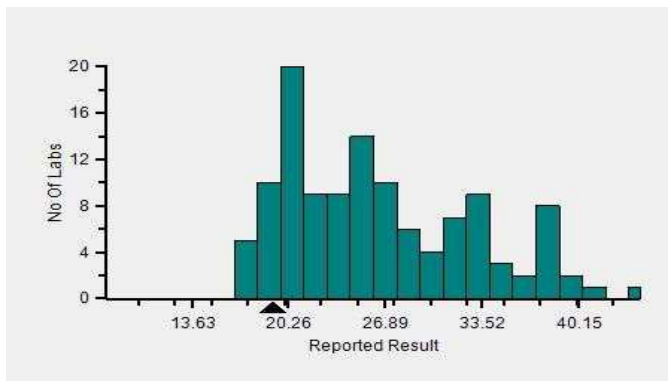
Frequency Histogram



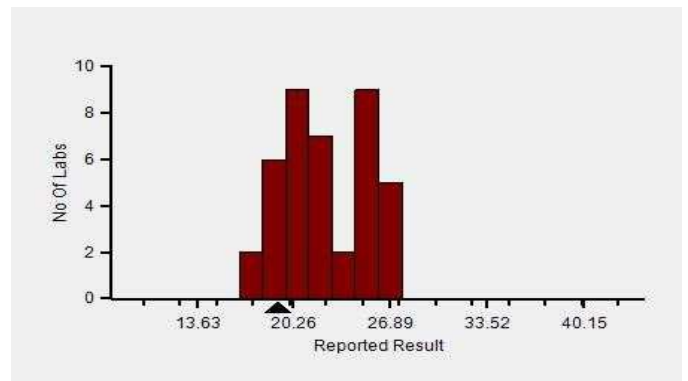
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, RDW CV% |                            | N         | Mean         | SD          | CV%          | Excluded |
|----------------------------|----------------------------|-----------|--------------|-------------|--------------|----------|
|                            | All Analyzer               | 158       | 26.95        | 6.65        | 24.67        | 22       |
| <b>Your Analyzer :</b>     | <b>Horiba Yumizen H550</b> | <b>46</b> | <b>22.46</b> | <b>2.86</b> | <b>12.72</b> | <b>6</b> |
|                            | Horiba Yumizen H500        | 18        | 20.56        | 2.30        | 11.18        | -        |
|                            | Horiba Yumizen H500        | 18        | 20.56        | 2.30        | 11.18        | -        |
|                            | Erba ELite 580             | 13        | 31.88        | 2.24        | 7.02         | 1        |
|                            | Mindray BC-5000            | 11        | 35.84        | 3.80        | 10.60        | 1        |
|                            | Horiba ABX Pentra XL 80    | 8         | 22.44        | 2.14        | 9.54         | -        |
|                            | Nihon Kohden Celltac Alpha | 6         | 32.60        | 5.37        | 16.46        | -        |
|                            | Beckman Coulter DxH 560    | 5         | 28.45        | 3.66        | 12.87        | 1        |

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

- Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
- Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Total Leucocytes (WBC) count, / $\mu$ l**

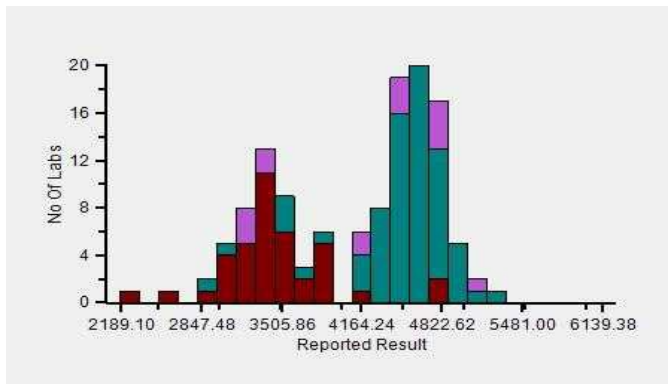
**Comparative Statistics**

|                                       | N   | Mean     | SD     | CV%   | Excluded |
|---------------------------------------|-----|----------|--------|-------|----------|
| All Methods                           | 169 | 4,164.24 | 658.38 | 15.81 | 37       |
| Impedance - (Your Method)             | 145 | 4,150.00 | 663.36 | 15.99 | 33       |
| Horiba Yumizen H550 - (Your Analyzer) | 46  | 3,456.41 | 469.38 | 13.58 | 6        |

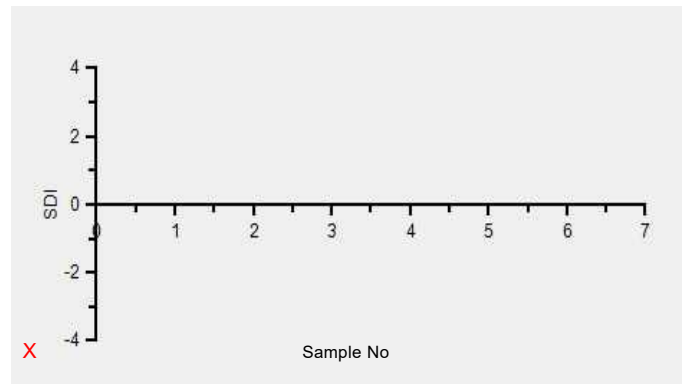
|                                 |          |                          |        |
|---------------------------------|----------|--------------------------|--------|
| <b>Your Result</b>              | 3.52     | <b>SDI / z-Score</b>     | *      |
| <b>Assigned Value</b>           | 3,456.87 | <b>Average SDI</b>       | 0.00   |
| <b>SDPA</b>                     | 473.000  | <b>Uncertainty of AV</b> | 82.27  |
| <b>Standard Unit Result Val</b> | 3.52     | <b>%DEV</b>              | -99.90 |

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

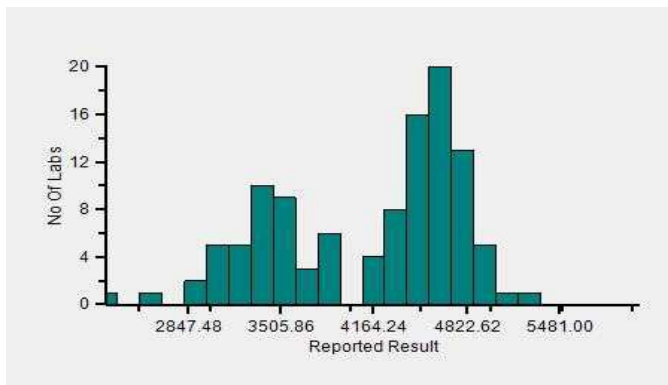
Frequency Histogram



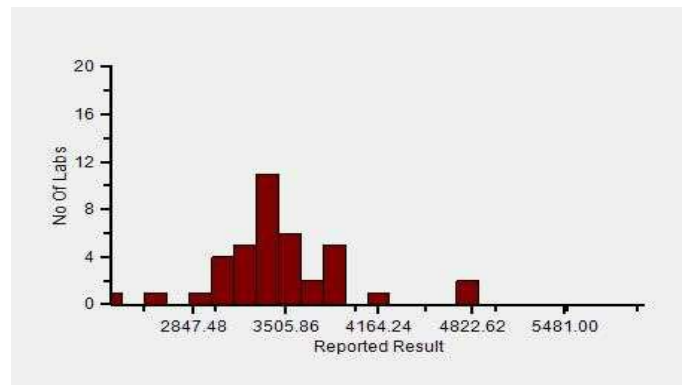
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

| Haematology - CBC, Total Leucocytes (WBC) count |                            |           |                 |               |              |          |
|---|----------------------------|-----------|-----------------|---------------|--------------|----------|
|   |                            | N         | Mean            | SD            | CV%          | Excluded |
|   | All Analyzer               | 169       | 4,164.24        | 658.38        | 15.81        | 37       |
| <b>Your Analyzer :</b>                          | <b>Horiba Yumizen H550</b> | <b>46</b> | <b>3,456.41</b> | <b>469.38</b> | <b>13.58</b> | <b>6</b> |
|   | Horiba Yumizen H500        | 18        | 3,618.46        | 610.69        | 16.88        | 4        |
|   | Horiba Yumizen H500        | 18        | 3,618.46        | 610.69        | 16.88        | 4        |
|   | Erba ELite 580             | 13        | 4,745.00        | 228.72        | 4.82         | 5        |
|   | Mindray BC-5000            | 12        | 4,658.18        | 110.89        | 2.38         | 1        |
|   | Horiba ABX Pentra XL 80    | 9         | 4,766.67        | 57.74         | 1.21         | 6        |
|   | Nihon Kohden Celltac Alpha | 6         | 4,530.00        | 370.14        | 8.17         | 1        |
|   | Sysmex XP-100              | 5         | 4,475.00        | 95.74         | 2.14         | 1        |

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

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  - Two out of three pass - Review for random error & take action if appropriate
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*Dr Puneet Kumar Nigam*

**Dr Puneet Kumar Nigam**  
**PT coordinator & Technical Manager, MHL EQAS**  
Unit No. 409-416.  
Commercial Building - 1A  
Kohinoor Mall, Kiro Road, Kurla (W),  
Mumbai - 400070



PC-1022

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Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - Peripheral smear diagnosis, Diagnosis (Slide), -**

■ All Methods

■ -- (Your Method)

■ -- (Your Analyzer)

**N**

33

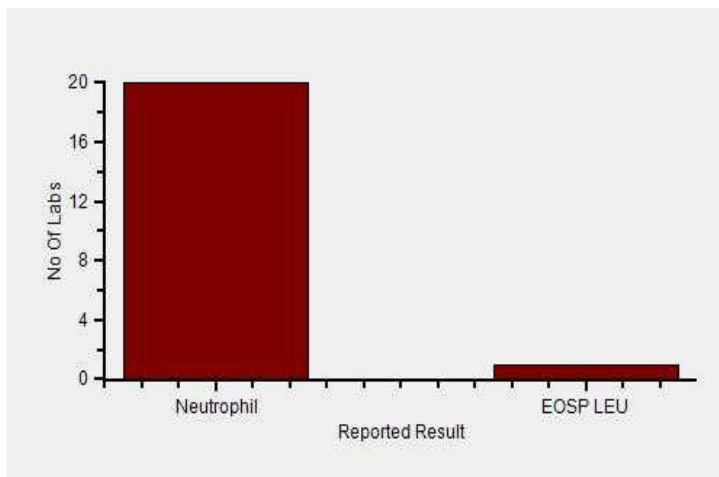
33

33

|                        |                           |
|------------------------|---------------------------|
| <b>Your Result</b>     | Neutrophilic Leucocytosis |
| <b>Result Expected</b> | #                         |

**Note :** # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

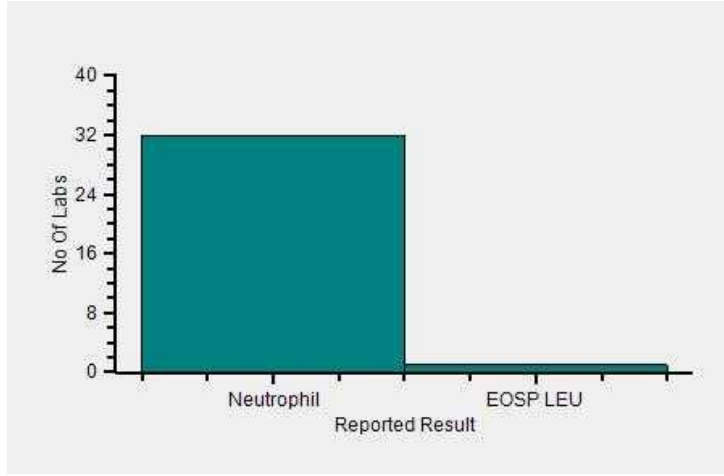
Report Date : 19/12/2023

Cycle No : 230310

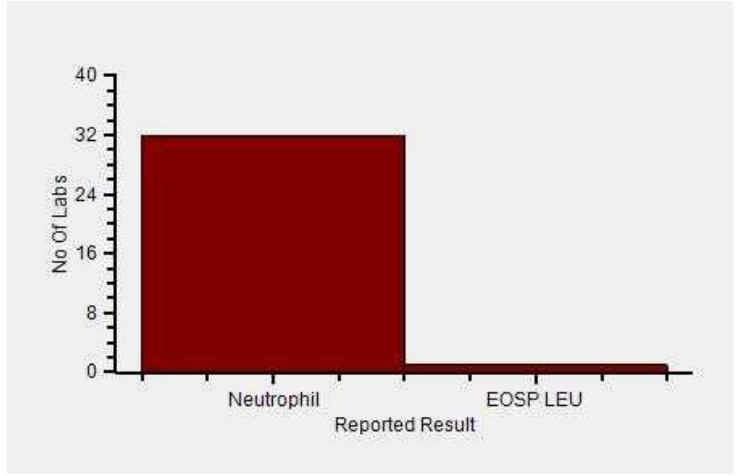
Sample No : 02

Sample Date : 07/10/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

- Nor** : Normal
- Abn** : Abnormal
- CLL/ CLD** : CLL/Chronic lymphoproliferative disorder
- MA** : Microcytic hypochromic anaemia
- Eos** : Eosinophilia
- PV** : P. vivax
- Leu** : Leucopenia
- DIMANETH** : Dimorphic Anaemia with Thrombocytopenia
- EOSP LEU** : Eosinophilic leucocytosis
- LEUWTHRO** : Leucopenia with Thrombocytopenia

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
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  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error

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Mumbai - 400070

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PC-1022

Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 02

Sample Date : 07/10/2023

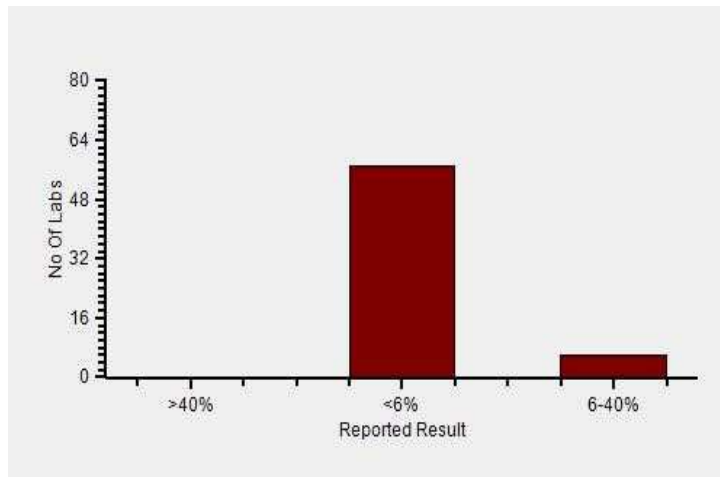
**Haematology-PS Slide Count Qualitative, Eosinophil., -**

|                              |          |
|------------------------------|----------|
|                              | <b>N</b> |
| ■ All Methods                | 63       |
| ■ Microscopy - (Your Method) | 63       |
| ■ - - (Your Analyzer)        | 63       |

|  |                    |     |                        |     |
|--|--------------------|-----|------------------------|-----|
| <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Your Result</b></td> <td style="text-align: right;">&lt;6%</td> </tr> <tr> <td><b>Result Expected</b></td> <td style="text-align: right;">&lt;6%</td> </tr> </table> | <b>Your Result</b> | <6% | <b>Result Expected</b> | <6% |
| <b>Your Result</b>   | <6%                |     |                        |     |
| <b>Result Expected</b>   | <6%                |     |                        |     |

**Note :** # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

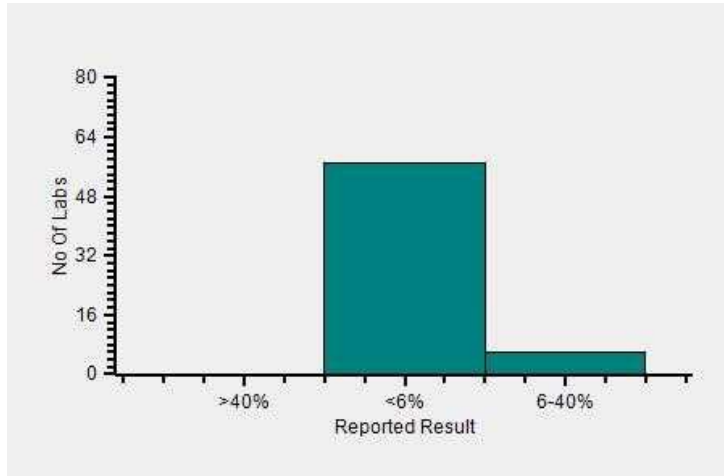
Report Date : 19/12/2023

Cycle No : 230310

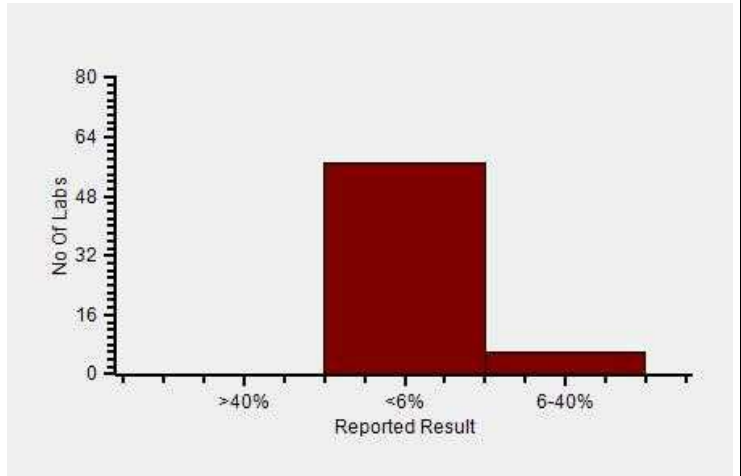
Sample No : 02

Sample Date : 07/10/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

|       |         |
|-------|---------|
| >40%  | : >40%  |
| <10%  | : <10%  |
| <6%   | : <6%   |
| <1%   | : <1%   |
| 6-40% | : 6-40% |
| 1-6%  | : 1-6%  |
| >6%   | : >6%   |

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

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- Both failed - Unacceptable performance, Review for systematic error

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- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error





Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 02

Sample Date : 07/10/2023

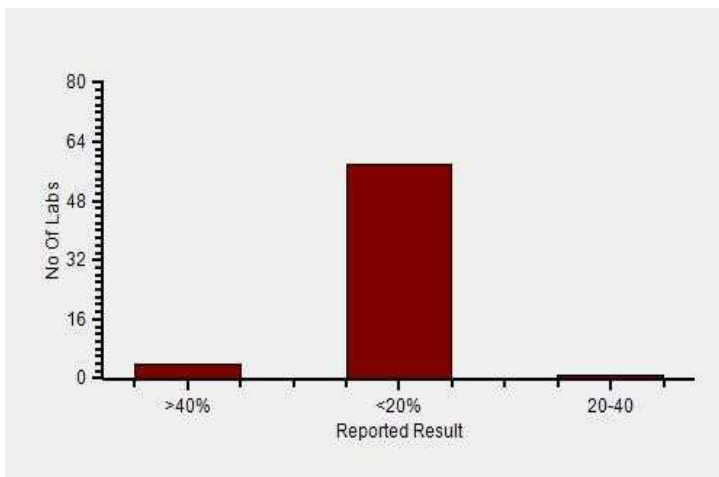
**Haematology-PS Slide Count Qualitative, Lymphocyte., -**

|                              |          |
|------------------------------|----------|
|                              | <b>N</b> |
| ■ All Methods                | 63       |
| ■ Microscopy - (Your Method) | 63       |
| ■ - - (Your Analyzer)        | 63       |

|  |                    |                |                        |                |
|--|--------------------|----------------|------------------------|----------------|
| <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Your Result</b></td> <td style="text-align: right;"><b>&lt;20%</b></td> </tr> <tr> <td><b>Result Expected</b></td> <td style="text-align: right;"><b>&lt;20%</b></td> </tr> </table> | <b>Your Result</b> | <b>&lt;20%</b> | <b>Result Expected</b> | <b>&lt;20%</b> |
| <b>Your Result</b>   | <b>&lt;20%</b>     |                |                        |                |
| <b>Result Expected</b>   | <b>&lt;20%</b>     |                |                        |                |

**Note :** # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Cycle No : 230310

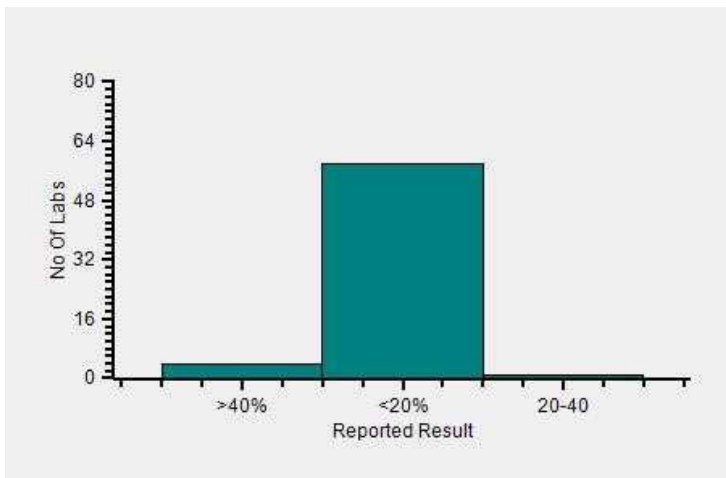
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

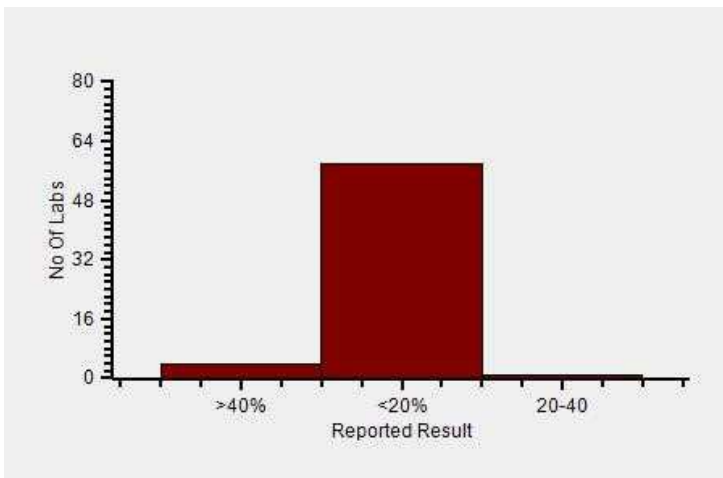
Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

|        |          |
|--------|----------|
| >40%   | : >40%   |
| <20%   | : <20%   |
| 20-30% | : 20-30% |
| >25%   | : >25%   |
| 20-40  | : 20-40% |
| <25%   | : <25%   |
| 25-50% | : 25-50% |

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

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- Two out of three pass - Review for random error & take action if appropriate
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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 02

Sample Date : 07/10/2023

**Haematology-PS Slide Count Qualitative, Neutrophil., -**

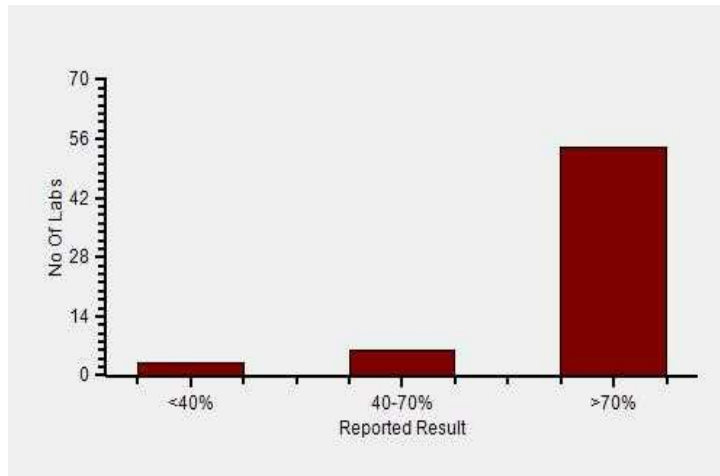
- All Methods
- Microscopy - (Your Method)
- - - (Your Analyzer)

**N**  
63  
63  
63

|                        |      |
|------------------------|------|
| <b>Your Result</b>     | >70% |
| <b>Result Expected</b> | >70% |

**Note :** # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

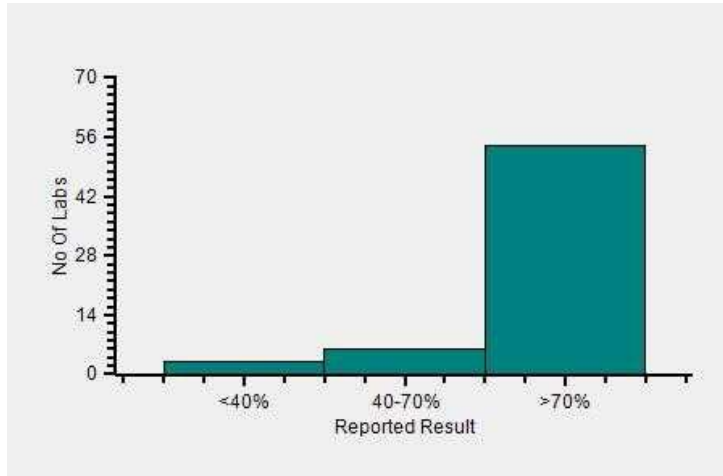
Report Date : 19/12/2023

Cycle No : 230310

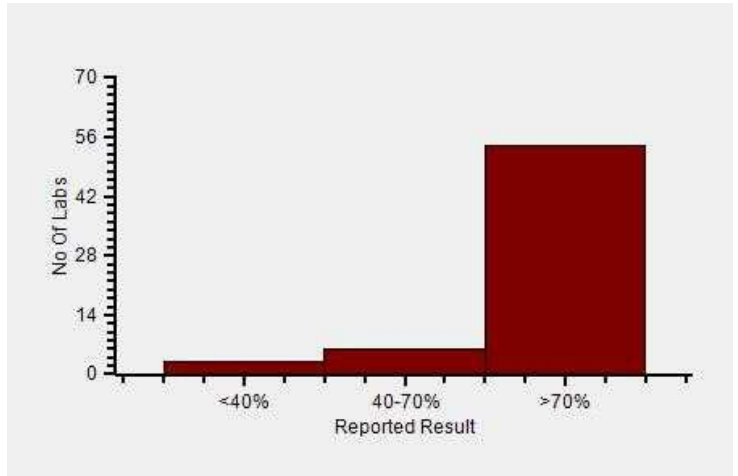
Sample No : 02

Sample Date : 07/10/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

|                |          |
|----------------|----------|
| <b>60-80%</b>  | : 60-80% |
| <b>&lt;40%</b> | : <40%   |
| <b>40-70%</b>  | : 40-70% |
| <b>&gt;70%</b> | : >70%   |

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

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