

*Input data*



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|                    |                               |
|--------------------|-------------------------------|
| Instrument Name    | Automated 3 Part Cell Counter |
| Make               | Nihon Kohden                  |
| Model              | MEK-1301 K                    |
| Serial no          | 307                           |
| Calibration date   | 02-Feb-24                     |
| Installation place | DR BHARTI PATH LAB            |

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Name : Jaswinder Singh  
Designation : R.M

## Precision Check Data

|                    |   |                               |
|--------------------|---|-------------------------------|
| Instrument Name    | : | Automated 3 Part Cell Counter |
| Make               | : | Nihon Kohden                  |
| Model              | : | MEK-1301 K                    |
| Serial no          | : | 307                           |
| Calibration date   | : | 02-Feb-24                     |
| Installation place | : | DR BHARTI PATH LAB            |

### PRECISION RUN DATA

| Sample No.  | WBC         | RBC        | HGB         | HCT        | PLT      |
|-------------|-------------|------------|-------------|------------|----------|
| 1           | 8.04        | 4.53       | 12.90       | 44.6       | 287      |
| 2           | 8.32        | 4.52       | 12.88       | 44.6       | 311      |
| 3           | 8.25        | 4.44       | 12.98       | 43.5       | 284      |
| 4           | 8.22        | 4.43       | 12.97       | 43.3       | 290      |
| 5           | 8.30        | 4.46       | 12.92       | 43.9       | 289      |
| 6           | 8.25        | 4.44       | 12.98       | 43.5       | 284      |
| 7           | 8.23        | 4.53       | 12.81       | 44.0       | 277      |
| 8           | 8.39        | 4.50       | 12.87       | 43.9       | 285      |
| 9           | 8.16        | 4.50       | 12.87       | 43.9       | 301      |
| 10          | 8.39        | 4.48       | 12.88       | 43.8       | 285      |
| <b>Mean</b> | 8.26        | 4.48       | 12.91       | 43.9       | 289      |
| <b>SD</b>   | 0.11        | 0.0        | 0.06        | 0.4        | 10       |
| <b>CV%</b>  | <b>1.28</b> | <b>0.9</b> | <b>0.44</b> | <b>1.0</b> | <b>3</b> |

| Acceptable CV%       | Within 2.0% | Within 1.5% | Within 1.5% | Within 1%   | Within 4%   |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| <b>Result status</b> | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> |

\*Precision study performed on the analyzer using a blood samples.



For Nihon Kohden India Pvt. Ltd.

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## Calibration Data

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Instrument Name : Automated 3 Part Cell Counter  
 Make : Nihon Kohden  
 Model : MEK-1301 K  
 Serial no : 307  
 Calibration date : 02-Feb-24  
 Installation place : DR BHARTI PATH LAB

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### CALIBRATION RUN DATA

| Sample No.  | WBC  | RBC  | HGB   | HCT   | PLT    |
|-------------|------|------|-------|-------|--------|
| 1           | 8.90 | 4.75 | 14.40 | 42    | 287    |
| 2           | 8.90 | 4.66 | 14.30 | 41.4  | 274    |
| 3           | 8.80 | 4.72 | 14.20 | 42    | 288    |
| <b>Mean</b> | 8.87 | 4.71 | 14.30 | 41.80 | 283.00 |
| SD          | 0.06 | 0.05 | 0.10  | 0.35  | 8      |
| CV%         | 0.65 | 1.0  | 0.70  | 0.8   | 2.8    |

|                       |             |             |             |             |             |
|-----------------------|-------------|-------------|-------------|-------------|-------------|
| <b>Acceptable CV%</b> | Within 2.0% | Within 1.5% | Within 1.5% | Within 1.5% | Within 4%   |
| <b>Result status</b>  | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> |

*\*Precision study performed on the analyzer using a blood samples.*



For Nihon Kohden India Pvt. Ltd.  
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## Certification of Calibration

|                    |   |                               |
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| Make               | : | Nihon Kohden                  |
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| Serial no          | : | 307                           |
| Calibration date   | : | 02-Feb-24                     |
| Installation place | : | DR BHARTI PATH LAB            |

This is to certify that the above mentioned instrument has been successfully calibrated on **02nd Feb 2024** with MEK-CAL lot no-**PLUS 231** bearing expiry till **05th Feb 2024**. During the calibration of the analyser, all CBC parameters were calibrated.

Ran Quality Controls **MEK-3D (Normal) Lot no-22Y** bearing expiry of **05th Feb 2024** Result found within specified range.

Based on the manufacture recommended calibration interval the next due date of calibration is on **02nd Feb 2025**. Validity  $\pm$  30days. Or depends on QC performance/subject to replacement or change in hardware.



For Nihon Kohden India Pvt. Ltd.

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