

Certificate of Calibration

Instrument : Automated 3Part Cell Counter
Make : Nihon Kohden
Model : MEK -6510K
Serial No : 4225
Date Calibration : 18-11-2020
Installation place : ALAKNANDA DIAGNOSTICS LAB-NEW DELHI

This is to certify that the above mentioned instrument has been successfully calibrated on **18th NOV 2020** with MEK-CAL lot no-**PLUS 20Y** bearing expiry till **5th Dec, 2020**. During the calibration of the analyser, all CBC parameters were calibrated.

Ran Quality Controls **MEK-3D (Low, Normal, and High) Lot no- 20Y** bearing expiry of **5th FEB 2021**. Result found within specified range.

Based on the manufacture recommended calibration interval the next due date of calibration is on **17th NOV 2021**. Validity \pm 30days. Or depends on QC performance/subject to replacement or change in hardware.

For Nihon Kohden India Pvt. Ltd.

RAVINDER SINGH (ENGINEER-CS)



Calibration Data

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| <i>Sample No.</i> | WBC | RBC | HGB | HCT | PLT |
|-------------------|------------|------------|------------|------------|------------|
| 1 | 9.2 | 4.66 | 14.2 | 42.0 | 247 |
| 2 | 9.0 | 4.64 | 14.3 | 42.0 | 245 |
| 3 | 9.0 | 4.67 | 14.3 | 42.2 | 231 |
| 4 | 8.9 | 4.71 | 14.2 | 42.2 | 248 |
| 5 | 9.0 | 4.66 | 14.2 | 42.2 | 236 |
| Mean | 9.0 | 4.67 | 14.2 | 42.1 | 241 |
| CV% | 1.2 | 0.6 | 0.4 | 0.2 | 3.1 |

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PRECISION CHECK CERTIFICATE

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| PRECISION CHECK DATA | | | | | |
|----------------------|------------|------------|------------|------------|------------|
| Sample No. | WBC | RBC | HGB | HCT | PLT |
| 1 | 12.1 | 5.48 | 15.80 | 48.3 | 312 |
| 2 | 12.1 | 5.49 | 16.00 | 48.6 | 314 |
| 3 | 12.1 | 5.50 | 15.70 | 48.6 | 307 |
| 4 | 12.1 | 5.47 | 15.90 | 48.4 | 330 |
| 5 | 12.2 | 5.51 | 16.00 | 48.6 | 311 |
| 6 | 12.1 | 5.50 | 15.90 | 48.7 | 328 |
| 7 | 12.1 | 5.48 | 16.00 | 48.4 | 318 |
| 8 | 12.1 | 5.47 | 15.90 | 49.4 | 329 |
| 9 | 12.0 | 5.53 | 16.00 | 49.2 | 332 |
| 10 | 12.2 | 5.54 | 16.10 | 48.9 | 315 |
| Mean | 12.1 | 4.73 | 15.93 | 48.7 | 320 |
| SD | 0.1 | 0.02 | 0.11 | 0.3 | 8.8 |
| CV% | 0.4 | 0.5 | 0.7 | 0.7 | 2.7 |

| | | | | | |
|-----------------------|-------------|-------------|-------------|-------------|-------------|
| Acceptable CV% | Within 2.0% | Within 1.5% | Within 1.5% | Within 1.5% | Within 4% |
| Result status | PASS | PASS | PASS | PASS | PASS |

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

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