

Technology that counts



Quick Guide

NucleoCounter® NC-202™



Any culture - Any user - Anywhere

The NucleoCounter® NC-202™

Dear NucleoCounter® Customer,

Thank you for choosing NucleoCounter® NC-202™, the most robust instrument for your automated cell counting needs. This guide introduces instrument installation and use, along with the most basic software functionalities.

We hope you will enjoy your new NucleoCounter® NC-202™,
The ChemoMetec Team.

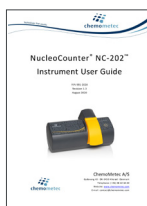
The NucleoCounter® NC-202™ product package



- ✓ Consistency across instruments, users and sites
- ✓ Process optimization and control with **NEW** DebrisIndex™
- ✓ Elimination of human errors from sample handling with Via2-Cassette™
- ✓ Increased cell counting range: No more dilutions
- ✓ Scalable system, with 21 CFR Part 11 compliant data integration
- ✓ Dedicated personal support by our experts



NC-View™ Software
950-2021 NC-View™
Software included on
a USB stick



User Guide
991-2020 Users Guide
NucleoCounter® NC-202™
included in package



Power and USB Cables
931-00xx* Power Cable and
931-0019 USB Cable 1.5m A
931-0022 USB Cable 1.5m C
Flat head screwdriver
included in package





Laptop Stand II
929-0012 Laptop Stand II
for NC-202™

OPTIONAL

*xx=: 02= CA, BR, J, NL, PH, TPE, TH, USA; 03=A, SF, F, D, GR, H, IS, I, LU, NL, N, S, B; 04=MA, EI, RS, GB, VT; 05=CH; 06=DK; 13=CN

For detailed instructions, please read the manual.

Get started in 8 quick steps

- 1 Log into your dedicated computer (see page 2 for requirements) using your Windows administrator credentials
- 2 Unpack the NucleoCounter® NC-202™ instrument and locate the software installation package on the USB stick provided
- 3 Launch the [Install NC-View™ X.X.X.X.exe](#) (e.g. 1.0.60.0.exe) installation file using administrator permissions.  **WARNING: Do NOT** open the .bin file
- 4 Follow the on-screen instructions to install NC-View™ including camera and other device drivers. To complete installation, restart the computer
- 5 Next, open the NC-View™  software in the Windows start menu
- 6 Insert the USB data cable included in a USB 3 port on the computer. For optimal data transfer, USB type C is preferred
- 7 Using the enclosed mini screwdriver, fasten the USB data cable with the screw lock mechanism to secure the connection
- 8 Insert the power cable into the outlet at the back of the NucleoCounter® NC-202™ before connecting it to a 3-prong outlet (i.e. including a grounding wire)

The NucleoCounter® NC-202™ is ready to use when the RUN-indicator light turns green (this may take a minute)

Computer specifications

The recommended minimum hardware and software requirements for the NC-View™ software:

- Operating System: Windows 10 or 11. Prior to installing NC-View™, install the latest service packages and any critical updates to the operating system
- Windows administrator credentials are required to install NC-View™
- Processor: Intel® Core™ i7 or i9; 2.5 GHz frequency (clock speed) or more
- Hard drive: M2 SSD disk and at least 50 GB free disc space
- RAM: 16 GB RAM or more
- USB: USB 3.1 type C port
- Display: 1920 × 1080 pixels screen resolution

NOTE: Lower CPU clock speeds (frequencies) will increase analysis time. Refer to the NC-View Software User Guide (doc. no. 991-2022) for full details.

How to perform a Count & Viability analysis in 3 easy steps

1


Select the *Count & Viability* protocol from the drop-down menu, or via the *Select Protocol icon* 

OPTIONAL: Enter Sample ID and Operator name

2

Invert the cell sample tube a few times and load it into the Via2-Cassette™



3

Place the Via2-Cassette™ into the instrument cassette fixture and start the analysis by pressing the RUN button or select the *Run icon* . A few moments later the analysis result will be displayed

Repeat steps 2 and 3 for each additional sample you want to analyze.




Export CM files as PDF reports

- 1 From the Main Window file list, select the file(s) you wish to export
- 2 Select the *PDF Report icon*  to open the print options window
- 3 Determine the destination folder for the PDF file(s) by selecting the *Folder icon* 
- 4 Determine the print options (result table, images, signatures) for the PDF report(s) and select OK to save the PDF report(s)





Export data to a spreadsheet

- 1 Select one or multiple files in the file list on the Main Window or in the File Browser (using ctrl and left click)
- 2 Copy the data by selecting the *Table data icon* 
- 3 Open your spreadsheet software and paste the copied data into your choice destination
- 4 In the sheet, each data point represents a row and each column represents a different identifier or analytical value

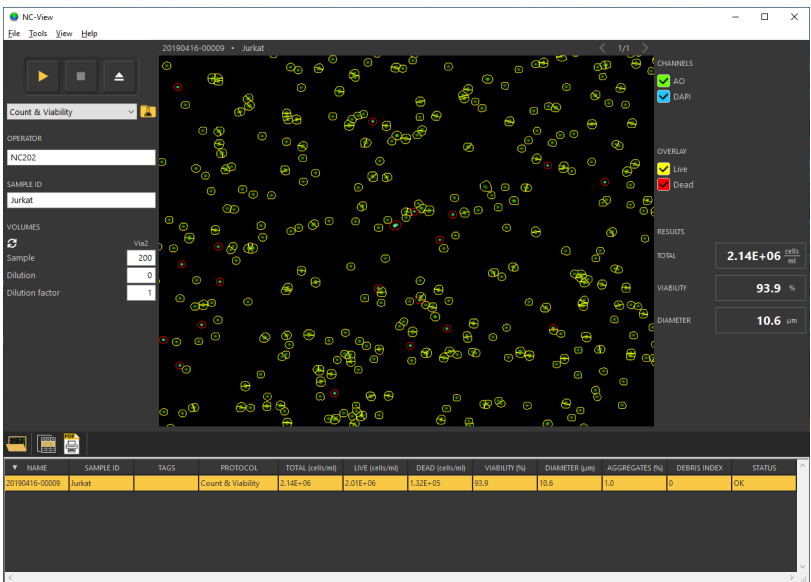
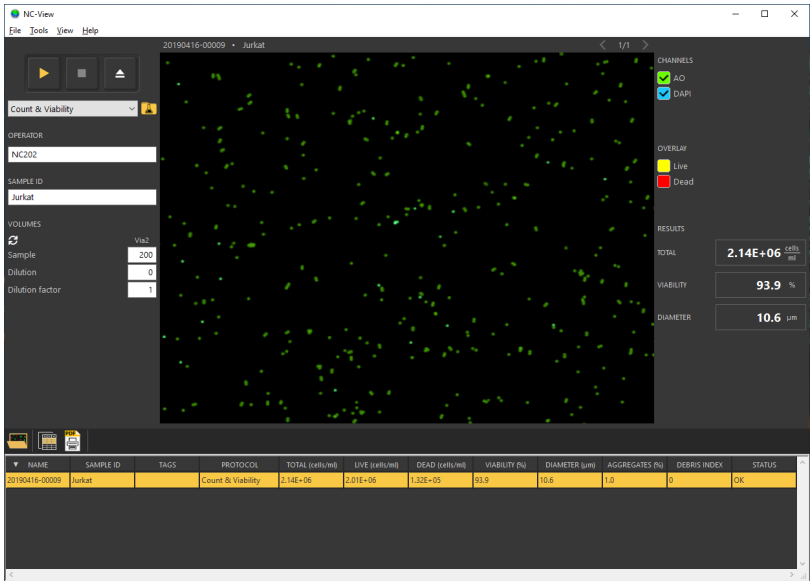
NOTE: If the data copies into a single column, the spreadsheet's Text-to-column tool should be used to split the data into individual columns.

Visual inspection of data acquisition

- 1

Select the **Live**  and **Dead**  overlay checkboxes to enable display of both overlays
- 2

Inspect the image to evaluate how cells are analyzed and counted



Additional resources

Go to www.chemometec.com to find:

- Instrument documentation
- Safety data sheets
- Application notes
- Certificates of analysis
- User guides

Consumables/kits:

Item no.	Description
941-0024	Via2-Cassette™ (1 box; 100 pcs.)
929-0012	Laptop Stand II for NC-200™ series
912-2021	IQ/OQ Test Kit for NucleoCounter® NC-202™
912-2022	PQ Test Kit for NucleoCounter® NC-202™



Want to know more?

For a detailed introduction, please review the NucleoCounter® NC-202™ Instrument User Guide at www.chemometec.com/NC-202.

If you have any questions or concerns about your NucleoCounter® NC-202™ instrument, please do not hesitate to contact your local sales representative or reach out to our support scientists at support@chemometec.com.



Dedicated support worldwide

ChemoMetec is fully committed to the success and satisfaction of our customers. We offer training, application support and dedicated field service teams to ensure our customers achieve optimal instrument performance and the best quality results in an easy and simple manner.

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