

Technical Note No. 0275 Rev. 1.0

NucleoView® NC-200™ Protocol List

This document provides a list of the standard cell count and analysis protocols available for the NucleoView® NC-200™ to be used with the NucleoCounter® NC-200™.

Introduction

The NucleoCounter® NC-200™ comes with a range of qualified protocols. This document presents an updated list of released protocols for the NucleoView® NC-200™ and the associated Application Notes.

Background

The NucleoCounter® NC-200™ is a high precision cell counter that uses low magnification fluorescence microscopy and automated image analysis to identify live and dead cells. The Via1-Cassette™ combines cell sampling, staining, and counting chamber into a single workflow. Together, the NucleoCounter® NC-200™ and Via1-Cassette™ generate data with low inter- and intra-operator variation.

| Protocol Name | Application note number |
|---|--------------------------------------|
| Viability and Cell Count Assay | 994-0201 - Application note No. 201 |
| Count of Aggregated Cells Assay | 994-0202 - Application note No. 202 |
| Viability and Cell Count - Aggregated Cells Assay | 994-0203 - Application note No. 203 |
| Zero Count Assay | 994-0204 - Technical note No. 0204 |
| IQ Test | 994-0205 - Technical note No. 0205 |
| OQ Test | 994-0206 - Technical note No. 0206 |
| Viability and Cell Count - Blood Assay | 994-0207 - Application note No. 0207 |
| Viability and Cell Count - A100 and B Assay | 994-0214 - Application note No. 214 |
| Count of Aggregated Cells - A100 and B Assay | 994-0215 - Application note No. 215 |
| Viability and Cell Count Assay - Method 2 | 994-0220 - Application note No. 220 |

Handling and storage

For handling and storage of ChemoMetec® instruments, reagents, cassettes and NC-slides refer to the corresponding product documentation. For other reagents refer to the material data sheet from the manufacturer of the reagents and chemicals.

Warnings and precautions

For safe handling and disposal of the ChemoMetec® reagents, cassettes and NC-slides refer to the corresponding product documentation and the NucleoCounter® NC-200™ user guide. For other reagents refer to the safety data sheet from the manufacturer of the reagents and chemicals required for this protocol. Wear suitable eye protection and protective clothes and gloves when handling biologically active materials.

Limitations

The NucleoCounter® NC-200™ system is FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE. The results presented by the NucleoCounter® NC-200™ system depend on correct use of the reagents, Cassettes and the NucleoCounter® NC-200™ instrument and might depend on the type of cells being analyzed. Refer to the NucleoCounter® NC-200™ user's guide for instructions and limitations.

Liability disclaimer

This technical note is for RESEARCH PURPOSES ONLY. It is not intended for food, drug, household, or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. ChemoMetec A/S shall not be held liable for any damage resulting from handling or contact with the above product.

Product disclaimer

ChemoMetec A/S reserves the right to introduce changes in the product to incorporate new technology. This application note is subject to change without notice.

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