

Technical note No. 0204. Rev. 1.1

NucleoCounter® NC-200™

Zero Count Qualification Protocol for the NucleoCounter® NC-200™ system

Product description

The NucleoCounter® NC-200™ system enables the user to perform automated cell counting and analyses of a broad range of eukaryotic cells.

Application

This protocol for the NucleoCounter® NC-200™ system is used for Zero Count Qualification.

Introduction

The NucleoCounter® NC-200™ instrument contains three light sources. This Zero Count protocol performs

operations to verify that no counts are registered in any of the three channels when no media is presents. The test results are displayed at the end of the test and grouped in 2 categories: OK or Failed.

Principle

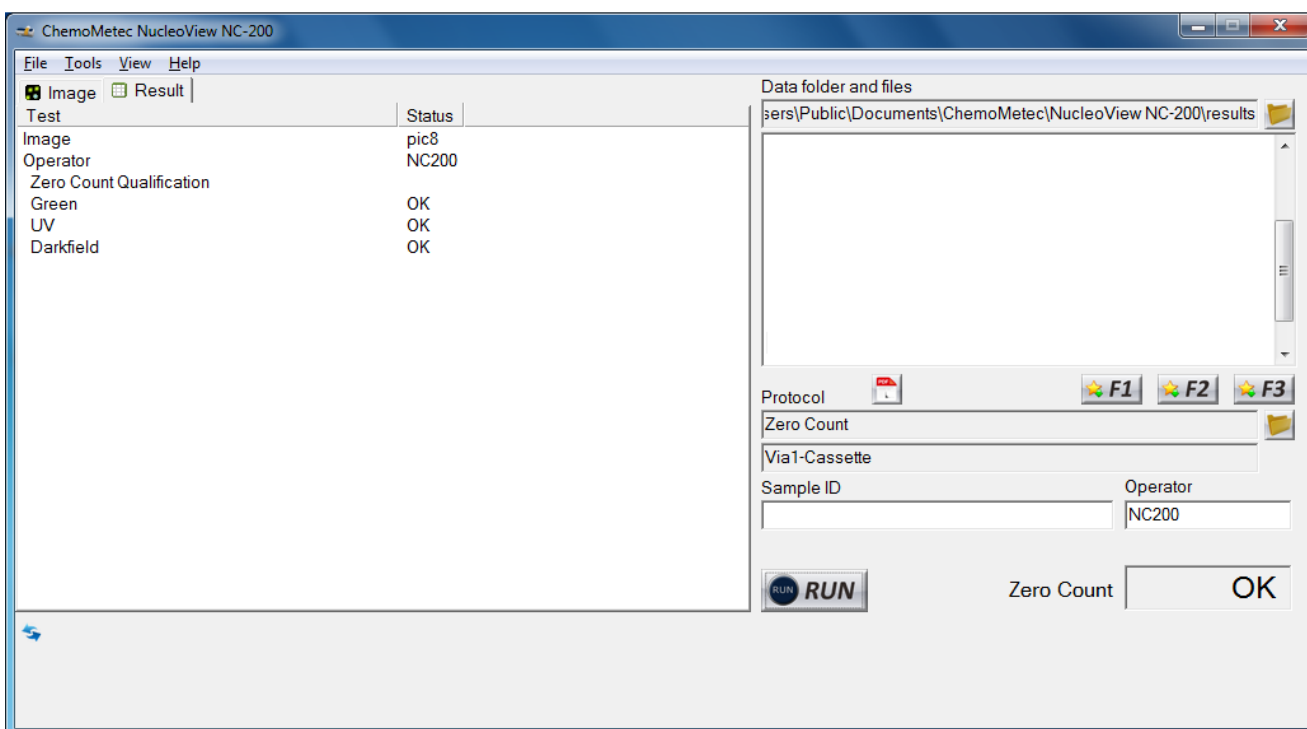
The Zero Count Protocol is performed without a cassette in the fixture. One image is acquired for each light source and procedures for counting are applied. This verifies that no contamination influencing the counting ability of the instrument has occurred.

Materials

No materials needed

Protocol (duration is around 45 seconds)

- 1) Engage NucleoCounter® NC-200™ by starting NucleoView™ NC-200 software.
- 2) Select the “**Zero Count**” protocol, press Run and follow the instructions.
- 3) In case of errors, error messages will occur while the protocol is working. When the protocol is completed, the result will be presented in the result tab (see below).



Handling and storage

For handling and storage of ChemoMetec instruments and 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's 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 application 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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