

OPTIMIZING FACS WORKFLOW WITH ACCURATE CELL COUNTING

Introduction

The Novo Nordisk Foundation Center for Stem Cell Biology (DanStem) was established in 2011 as an international research center for basic stem cell and developmental biology.

DanStem's scientists are solving complex problems, spanning early embryonic development and organogenesis, through advanced disease development and cell or drug-based therapies.

In total, DanStem currently consists of 12 research groups and four affiliated translational research groups. Nestled in basic research programs, DanStem also focuses on translational research in diabetes and hematological cancers to drive new therapies. The Flow Cytometry Platform is an integral part of the Center, supporting development and success of stem cell therapy protocols.

Knowing the concentration and the state of our cell samples allows us to:

- Save time
- Plan our workflow better
- Avoid having to repeat experiments.

Gelo dela Cruz, DanStem, FACS Manager

Challenges

"Before we had the NucleoCounter® NC-202™ our users would either give us unreliable data based on manual cell counting or skip the cell counting step altogether.

This meant that we would often waste a lot of time in optimizing the dilution of their sample or they would be unpleasantly surprised when we sorted far fewer cells than expected, often requiring repetition of the experiment.

Since implementing the NucleoCounter® NC-202™ counter into our standard workflow we have been able to improve the reliability and replicability of our users' data, thereby providing a better service and increasing our users' satisfaction."



Learn more about DanStem
www.danstem.ku.dk

ACHIEVE RAPID AND PRECISE CELL COUNTING IN YOUR FLOW CYTOMETRY PROTOCOL

The NucleoCounter® NC-202™ is the most precise automated cell counter on the market. Our state-of-the-art algorithm identifies and counts any mammalian cell type without the need for refocus.

- Rapid and simple cell counting and viability protocol
- Our Via2-Cassettes™ simplifies the cell counting workflow. No pre-staining or pipetting - no human error
- Accurate cell count and viability measurement ensures sufficient number of cells for staining protocols



NucleoCounter® NC-202™

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