

COVID-19 patient care

Speaker:
Gianluca Rotta
Thursday 22nd, 1:00 pm

CD4 and CD8 T cell cutoffs as an aid in determining risk of intubation with mechanical ventilation and mortality in hospitalized COVID-19 patients

Now is the right time to identify COVID-19 patients at increased risk for intubation with mechanical ventilation and elevated risk of mortality at hospital admission.

BD Multitest™ 6-Color TBNK Reagent with BD Trucount™ Tubes is a trusted test with predetermined cut-off values for specific lymphocyte T-cell subsets to identify COVID-19 patients at increased risk for intubation with mechanical ventilation and elevated risk of mortality at hospital admission, in conjunction with clinical findings and the results of other laboratory testing.

Recognising increased patient risk at admission can inform the right course of action while prioritising precious resources.

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Efficiency in flow labs

Speaker:
Lori Apoll
Thursday 22nd, 1:30 pm

Automation drives error reduction and efficiency in CD4 flow cytometry laboratories

Optimisation in CD4 specimen processing, from preparation to acquisition, can be achieved through automation and change management driven by lean assessment.

A lean observational study conducted at Ampath Laboratories, South Africa, demonstrated how a fully automated walkaway solution achieves a reduction of 49.2% in total process time and 61.4% in hands-on time compared to semi-automation*.

The implementation of the BD FACSDuet™ Sample Preparation System and BD FACSLyric™ Flow Cytometer delivers improvements in laboratory capacity, productivity and operational efficiency, all of which can yield an improved turn-around-time (TAT) for patient results.

Results presented are applicable to Ampath Laboratories, South Africa. Results will vary and may not be representative of those measured in other clinical laboratory settings.

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Efficiency in flow labs

Speaker:
Lucia Testolin
Friday 23rd, 12:35

Flexibility, consistency and traceability - the benefits of automation!

Discover what is new in the BD FACSDuet™ Sample Preparation System

Laboratory tests are performed on 98% of hospital in-patients, and their results inform clinical decisions. However, timely testing is slowed down by inefficiencies and errors in the process.

Flow cytometry testing is a complex lab journey characterised by multiple steps, beginning from the test request through to specimen results reporting. While this is already true in labs that are performing highly standardised tests, it is even more so in those where the number of sample types and assays is higher. Process inconsistency, complexity, manual steps and workload are causes of stress to personnel and delays in patient results.

The automation delivered by the BD FACSDuet™ Sample Preparation System enables the needed workflow standardisation, consistency in processes and TAT predictability. The BD FACSDuet™ Sample Preparation System also provides all these benefits in complexed and variable protocols, while still delivering the flexibility required by the users.

Discover what is new in the BD FACSDuet™ Sample Preparation System.

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Efficiency in flow labs

Speaker:
Detlef Claeys
Friday 23rd, 1:00pm

BD OneFlow™ reagents on BD FACSLyric™ Flow Cytometer: driving efficiency and cost savings

Provided since 2014 as the first ready-to-use, pre-titered, pre-dispensed, dried single-test tube format, the BD OneFlow™ reagents help in improving both laboratory processes and staff efficiencies. BD OneFlow™ reagents eliminate the need for antibody pipetting, thereby minimising operational mistakes, the risk of repeated testing and simplify antibody inventory management.

Available now also as validated assay on the BD FACSLyric™ Flow Cytometer, a new diagnostic solution combines the benefits of BD OneFlow™ reagents with the instrument sensitivity, resolution and standardisation to drive higher efficiency (reduced hands-on time and total process time) and cost savings.

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Analysis and reporting software tools

Speaker:
Serena Di Cecilia
Saturday 24th, 1:00pm

FlowJo™ software: full workflow analysis for high dimensional flow cytometry

High-dimensional analysis is becoming the new standard in flow cytometry, with instruments able to analyse panels with more than 25 colors. Analysing data manually and performing gates on each bidimensional plot is time consuming and demanding. This is calling for a new way of analysing data.

FlowJo™ plugins push manual gating analysis to the next level, allowing for a faster, easier and deeper identification of cell populations normally not visible with more classical approaches.

In this webinar, we will show a new analysis workflow that will allow for cleaning up the data, perform dimensionality reduction and enable population identification in a non-biased manner.

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Analysis and reporting software tools

Speaker:
Mohamed El Makrani
Saturday 24th, 1:30pm

BD FACS™ Workflow Manager: improving productivity by securing workflows and transfer of patient data to the LIS

Integration between instrument platforms and the Laboratory Information System (LIS) is necessary to ensure reliable transmission of data, workflow optimisation, auditing and archiving of documents in a regulated environment.

The BD FACS™ Workflow Manager provides a flexible architecture in which fully automated testing and reporting processes are implemented to minimise manual intervention in data capture. In addition, with GDPR in force, healthcare demands for secure processing of patient data must be met by ensuring that access is controlled, and data is transmitted and stored using best-in-class encryption technologies.

The BD FACS™ Workflow Manager will deliver this and much more: do not miss this talk.

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