BD FACSDuet™ Sample Preparation System

Discover a powerful new level of performance to move the pace of your lab forward

BD

THE DIFFERENCE IS A

LAB IN RHYTHM

Efficient

- 20.1% reduction in total process time* and 68.6% reduction in hands-on-time**
- 99% reduction in error-prone steps
- 49.2% reduction in total process time and 61.4% reduction in hands-on-time***
- Minimised staff training time

Standardised

- Preprogrammed preparation methods
- Traceability of specimen, reagents and samples with 50% more points of traceability
- Automated on-board cocktail preparation

Flexible

- Ability to create custom preparation methods
- Modular design to adapt to evolving laboratory needs
- Compatibility with a wide range of reagent vial sizes and manufacturers

*vs manual for 20 samples stained with BD Multitest™ 6-Color TBNK Reagent with BD Trucount™ Tubes[1]

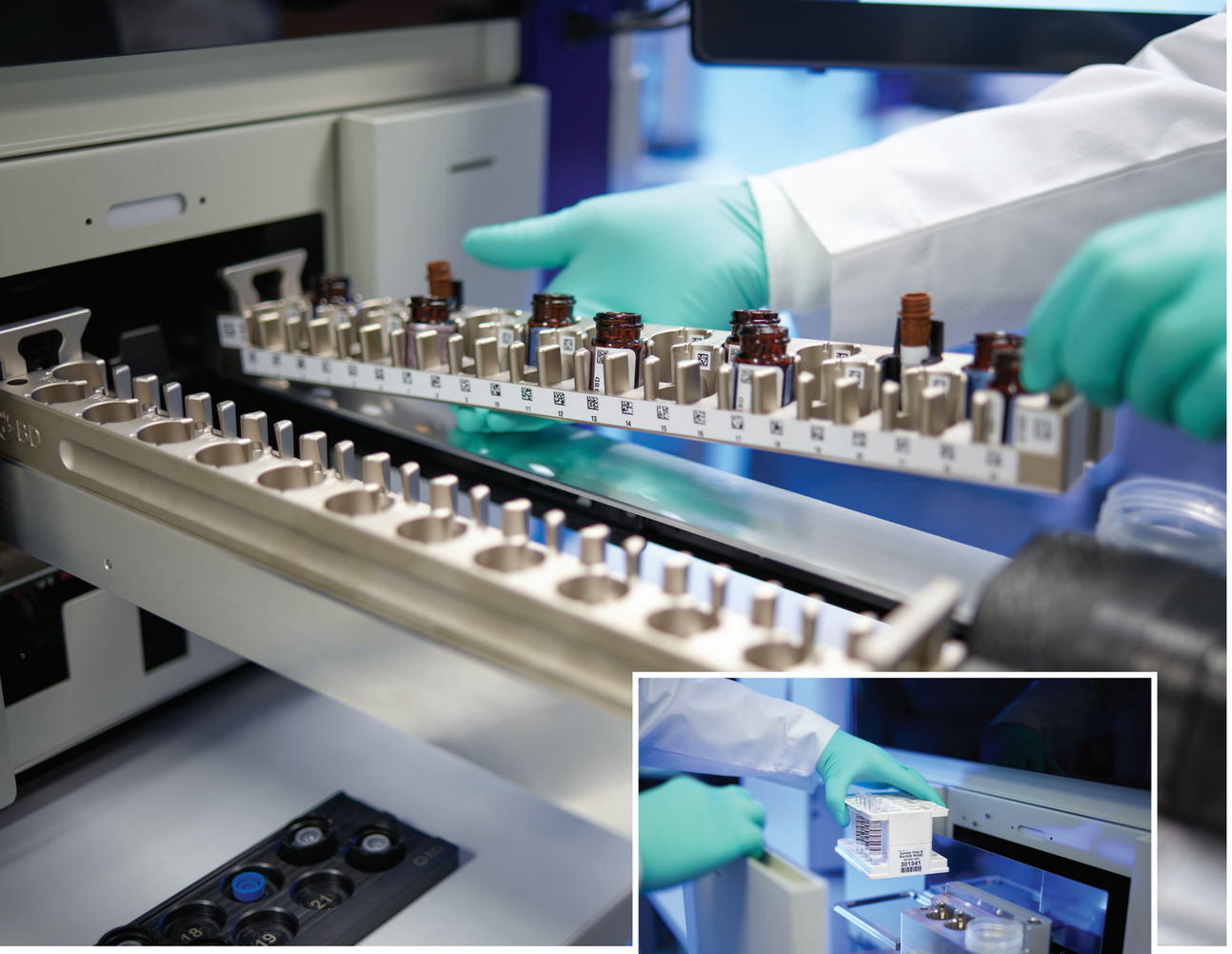
**vs manual for 20 samples stained with BD Multitest™ 6-Color TBNK Reagent with BD Trucount™ Tubes[1] (sample preparation only)

*** vs BD FACS™ SPAIII +BD FACSCanto™ II for 40 samples stained with BD Multitest™ 6-Color TBNK Reagent with BD Trucount™ Tubes[1]

[1] when BD FACSDuet™ is physically integrated with BD FACSLyric™

The BD FACSDuet™ Sample Preparation System combines automation, simplicity and consistency. Physically integrated with the BD FACSLyric™ flow cytometer, this complete walkaway sample-to-answer solution is helping to drive your laboratory to higher productivity.

The system integrates seamlessly into your laboratory workflow providing standardisation with flexibility to meet your needs. Designed as a modular system, with an intuitive and easy-to-use touchscreen software interface, the BD FACSDuet™ changes the way you have always experienced sample preparation and flow cytometry.



Efficient because....

Reduces the time to results and increases workflow consistency

- Handling of up to 3 carriers and worklists at the same time to increase specimen throughput
- 75% reduction in hands-on time creates lab capacity for handling increasing work volume
- Physically integrated with the BD FACSLyric™ flow cytometer for automated transfer of ready-to-acquire samples providing a true walkaway solution

Reduces variability and errors

- Standardised protocols and automated specimen and reagent pipetting reduce variability in sample preparation, eliminating critical error prone steps and leading to more accurate results

Minimises manual inputs required from users

- Bidirectional communication with the laboratory information system (LIS) automates worklist preparation and eliminates the risk of generating errors when manually transcribing data
- Smart barcode reading enables automated worklist(s) tracking
- Cocktailing functionality automates pipetting steps (80% reduction in hands-on time*), and the tracking of reagents and reagent cocktails

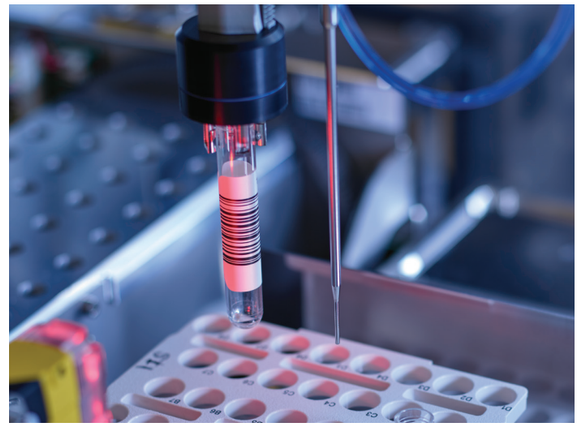
Minimises user training with intuitive touchscreen interface

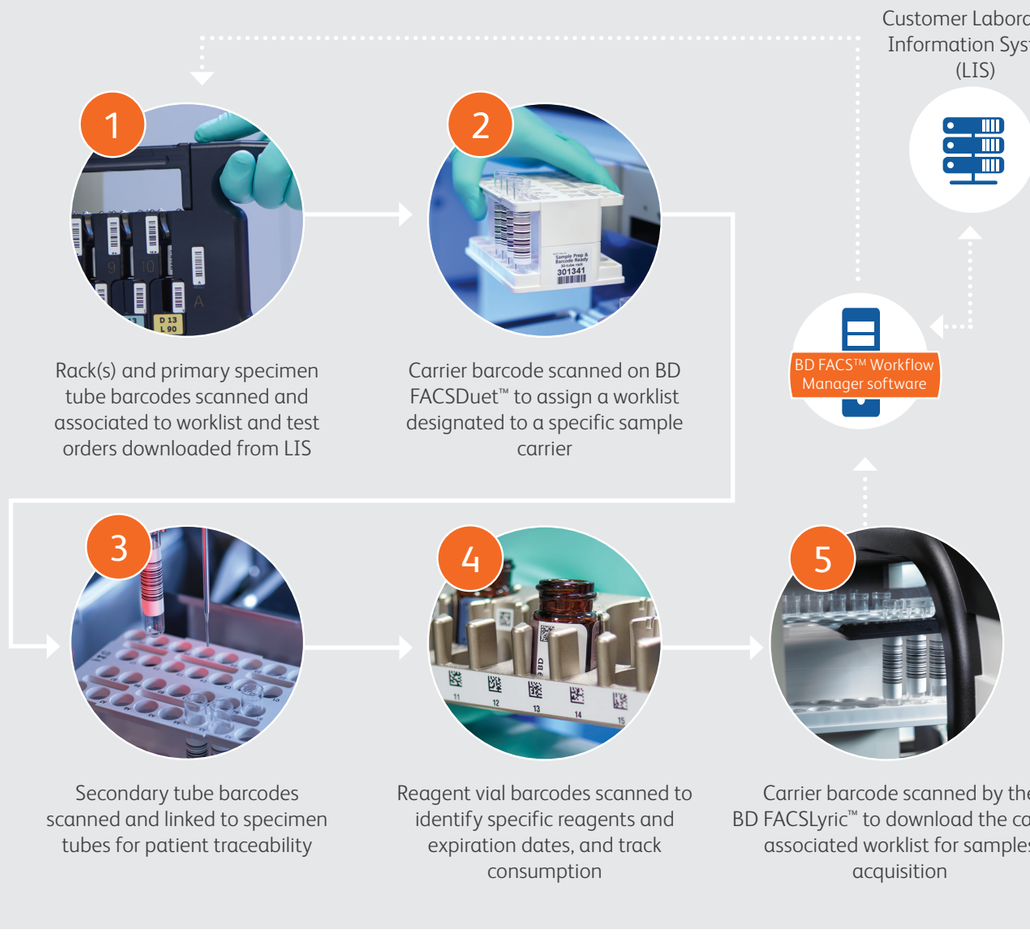
* vs manual when 2 people are dedicated to the task

Standardised because....

Enables consistent workflows

- Complete traceability of specimens, samples, reagents and worklists throughout the entire workflow
- Preprogrammed preparation methods reduce variability and opportunities for errors
- Automated cocktailing functionality eliminates manual steps, ensuring consistent and error-free creation of multicolor reagents





Flexible because....

- Allows users to create their own preparation methods
- Accommodates 20 different specimen tube types
- Accommodates various reagent vial sizes and from multiple manufactures for a total of 46 reagents on-board
- Delivers on-board cocktailing functionality, allowing users to create reagent cocktails with up to 45 unique reagents.
- Delivers an upgradable and modular design to adapt to the evolving needs of each laboratory

Closing thoughts *(from actual users)...*

"What's the potential impact of the BD FACSDuet? It removes our manual processes, increases our efficiency and throughput, and gives us control in standardization of processes. It's a controlled environment."

Mr. D. Bloxham - Principle Biomedical Scientist - HODS
Cambridge University Hospital NHS Trust

"At last, a fully integrated end-to-end walkaway solution, which is going to make our lives significantly easier. It reduces errors ....., leading to increased productivity and efficiency, ... provides a comprehensive fully auditable account of the whole process. .... creates capacity to allow us to meet our key performance indicators."

Dr. T. Farren - Head of immunophenotyping (SIHMDS)
Barts Health NHS Trust - The Royal London Hospital

"I require all the monoclonal antibodies used, the ancillary reagents, tubes, the QC materials to be linked to an exact patient... this is an essential laboratory process but it's also mandatory in order to maintain ISO15189 accreditation."

Mr. C. Scott - Lead Biomedical Scientist, Immunology Dept.
Barts Health NHS Trust - The Royal London Hospital

BD Multitest™ 6-Color TBNK with BD Trucount™ Tubes, BD FACS™ Sample Prep Assistant III, BD FACSCanto™ II Flow Cytometer, BD FACSDuet™ Sample Preparation System and BD FACSLyric™ Flow Cytometer with the BD FACSuite™ Clinical and BD FACSuite™ applications are CE marked in compliance with the European In Vitro Diagnostic Medical Device Directive 98/79/EC.

BD FACSDuet™ Sample Preparation System and BD Flow Cytometers are Class 1 Laser Products.

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