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Individuals need standards.

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BD OneFlow™ Solution

Leukemia and lymphoma immunophenotyping.



Discover an optimized standard.

Built on the research and validation work of the EuroFlow™ Consortium on the characterization of hematological malignancies for improved diagnostic outcomes¹, the BD OneFlow™ solution brings the standardization of leukemia and lymphoma immunophenotyping one step forward. It maximizes efficiency by providing a standardized, simplified and objective methodology, increasing reliability and enabling accuracy and confidence in results.

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BD OneFlow™ Solution

Lab efficiency

Optimized workflows improve efficiency

BD OneFlow™ reagents maximize laboratory efficiency by reducing the time spent for sample preparation. Provided in a ready-to-use, dried, single-test tube format, BD OneFlow reagents allow for direct specimen staining, eliminating the need for antibody pipetting, minimizing operational mistakes and the risk for testing repetition, thus reducing manual workload.

BD OneFlow instrument setup and ready-to-use single-dose compensation beads simplify instrument standardization and reduce technical burden and training needs.

BD FACSDiva™ CS&T IVD Beads

- Standardize setup and monitoring for consistent performance
- Guarantee reproducibility with Application Setting³



BD OneFlow™ multicolor reagents

- Improve laboratory efficiency by eliminating the need for antibody pipetting, minimizing operational mistakes and risk for testing repetition as pre-titered, pre-dispensed, ready-to-use reagents in a dried single-test tube format
- Provide accurate and relevant testing results by eliminating the need for laboratory antibody panel selection as pre-configured antibody reagents



BD FACSDiva™ software

- Ensure data accuracy and reproducibility by the use of ready-to-use BD OneFlow™ Setup and BD OneFlow™ Assay-Specific software templates



Infinicyt™ software (RUO*)

- Guide the interpretation of complex leukemia sample data through automated disease pattern recognition⁴
- Deliver standardisation through a reference sample library (database)
- Provide automatic recognition of instrument setup, reagents and acquisition parameters



BD FACSCanto™ II

- Provide consistency and standardization²
- More than 18,000 citations in scientific journals



BD OneFlow™ Setup Beads

- Ensure data accuracy and reproducibility by providing assay-specific target values, as per EuroFlow™ SOPs
- Increase lab efficiency by minimizing the technical burden and training need



BD™ FC Beads 8-color kit for BD OneFlow™ Assays

- Eliminate the need for using single vial reagents with ready-to-use single-test dye-coupled beads
- Increase lab efficiency with a simplified procedure for a standardized 8-color compensation, minimizing training needs
- Provide consistency in results, eliminating variability when using cells

Effectiveness

Service, support and consultancy bring effectiveness

Backed by over 30 years of experience in flow cytometry, BD offers training, support and consultancy by field and office service teams to help laboratory staff:

- Achieve optimal instrument and application performance
- Maximise bench time
- Increase staff efficiency
- Solve instrument issues via BD Assurity Linc™ software enabling remote access

Complete CE/IVD system enables compliance

The BD OneFlow™ solution is CE marked to the European in Vitro Diagnostic Medical Devices Directive 98/79/EC*.

The BD OneFlow solution also helps laboratories in their accreditation process to comply with EN ISO 15189 standard ("Medical laboratories -- Requirements for quality and competence").

*unless otherwise indicated

Compliance

Standardization improves data accuracy

Standardization of processes improves the quality of results, and ultimately the diagnosis and treatment of patients.

Built on the standards defined by the EuroFlow™ Consortium, the pre-defined, disease-specific 8-color reagent panels provide high diagnostic utility delivering accurate and reproducible results.

"The LST detected aberrant B-, T-, or NK-cells immuno-phenotypes in 149/150 (99.4%) of B-CLPD and in 78/83 (94%) of T/NK-CLPD with an overall frequency of 97.4%."

"An unprecedented orientation efficiency of 98.3% for non-ambiguous lineage cases was shown for the ALOT combination with a series of 483 newly diagnosed acute leukemia cases, tested prospectively at different centers."

Data accuracy

1 J.J.M. van Dongen, et al., on behalf of the EuroFlow Consortium (EU-FP6, LSHB-CT-2006-018708). EuroFlow antibody panels for standardized n-dimensional flow cytometric immunophenotyping of normal, reactive and malignant leukocytes; Leukemia 2012, 26 (9): 1908-75

2 T. Kalina, et al., on behalf of the EuroFlow Consortium. EuroFlow standardization of flow cytometry instrument settings and immunophenotyping protocols. Leukemia 2012, 26(9): 1986-2010

3 E. Meinelt, et al., Standardizing Application Setup Across Multiple Flow Cytometers. Using BD FACSDiva™ Version 6 Software. 2012, Technical Bulletin

4 E.S.Costa, et al., on behalf of the EuroFlow Consortium. Automated pattern-guided principal component analysis vs expert-based immunophenotypic classification of B-cell chronic lymphoproliferative disorders: a step forward in the standardization of clinical immunophenotyping; Leukemia 2010, 24: 1927-1933