BD Multitest™ 6-color TBNK reagent provides a reliable, cost effective, and easy-to-use solution for multicolor flow cytometric analysis of lymphocyte subsets.

The BD Multitest 6-color TBNK reagent (50 tests) determines absolute counts and percentages of mature T, B, and NK lymphocyte populations as well as CD4+ and CD8+ T-cell subset ratios in human peripheral blood, all in a single tube.

Percentages and absolute counts of T and B lymphocytes and ratio of helper/inducer versus suppressor/cytotoxic T cells provide valuable information on immune status for a number of patient conditions. CD4+ helper/inducer T lymphocyte counts are used for monitoring disease progression and therapy efficiency in Human Immunodeficiency Virus (HIV)-infected individuals. Certain forms of autoimmunity have been related to percentages of CD8+ suppressor/cytotoxic T lymphocytes that lie outside the normal reference range. NK lymphocytes have been shown to mediate cytotoxicity against certain tumors and virus-infected cells.

The TBNK reagent defines NK cells by analyzing the expression of the CD16 and CD56 simultaneously using the same conjugation to allow for a more precise diagnosis than using the CD56 marker only.

An easy-to-use solution
With its single-tube format, the BD Multitest 6-color TBNK reagent considerably reduces sample processing time. The reagent includes a cocktail of multiple fluorescently labeled monoclonal antibodies, premixed at the appropriate titer to ensure quality staining.

Simple procedure
1. Add whole blood to a 12 x 75-mm BD Falcon™ polystyrene tube or BD Trucount tube.
2. Add BD Multitest 6-color TBNK reagent, vortex, and incubate.
3. Add BD FACS™ lysing solution and incubate.
4. Acquire and analyze with BD FACSCanto clinical software.

Improve safety, reduce hands-on time
The BD 6-color TBNK reagent employs a no-wash formula that simplifies sample preparation and reduces tube handling. Processing fewer tubes in less time may decrease potential exposure to biohazardous material, improving safety for laboratory personnel.

Increase productivity
Multicolor analysis provides more answers from a single tube and decreases costs by reducing the number of tubes and reagents required. Together with the BD FACSCanto or BD FACSCanto™ II flow cytometer and BD FACSCanto clinical software, the Loader option and the SPA, the BD Multitest 6-color TBNK reagent provides high performance for lymphocyte enumeration to best suit your routine immunophenotyping needs. BD FACSCanto™ 7-color setup beads enable fast and convenient fully automated instrument setup.
BD Multitest 6-Color TBNK Reagent with BD Trucount Tubes

Absolute counts of multiple lymphocyte subsets from a single tube. As easy as 1-2-3.

Featuring a convenient lyse/no-wash procedure together with established BD Trucount™ bead technology, the BD Multitest 6-color TBNK reagent with BD Trucount tubes brings you the most efficient approach to routine multicolor flow cytometric immunophenotyping yet available.

Accurate cell counts with BD Trucount tubes
BD Trucount tubes ensure more accurate cell counts. The tubes contain a lyophilized pellet of fluorescent beads that serves as an internal standard. BD FACSCanto clinical software (v2.0 or later) automatically calculates lymphocyte absolute counts and subset percentages (Figure 1).

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Figure 1. Example of data from a BD FACSCanto laboratory report obtained for a BD Multitest 6-color TBNK assay with BD Trucount tubes.
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### Ordering Information

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<td>FCM</td>
<td>IVD</td>
<td>50 tests</td>
<td>337166</td>
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BD Multitest 6-Color TBNK Reagent without BD Trucount Tubes

Reagents tailored to your analysis needs

BD Multitest 6-color TBNK reagent is now also available without BD Trucount tubes. BD FACSCanto clinical software (v2.4) calculates lymphocyte subset percentages directly from the sample flow data (Figure 2).

Quality you can count on
BD reagents are manufactured and tested to meet our high standards of purity, stability, low background, and lot-to-lot consistency. Expect high quality, accurate results, and a performance level equal to the BD Multitest 6-color TBNK reagent with BD Trucount tubes option.

Figure 2. Example of data from a BD FACSCanto laboratory report obtained for a BD Multitest 6-color TBNK assay without BD Trucount tubes.

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Note: The BD Multitest 6-color TBNK reagent without BD Trucount tubes is used on the BD FACSCanto and BD FACSCanto II systems with BD FACSCanto software v2.4 and later.
References: