ANALYTE SPECIFIC REAGENT
Analytical and performance characteristics are not established.

ANTIBODY SPECIFICITY
B3 (CD22) is a B lineage restricted antigen that occurs in the cytoplasm of early B cell precursors and pre-B cells and on the cell surface of resting and activated B cells. This 140 kd antigen is expressed on approximately 5% of peripheral blood mononuclear cells, 75% of B cells isolated from peripheral blood and lymphoid tissue, and 50% of bone marrow B cells. The CD22 antigen is not detected on T cell and myeloid cells. It is expressed on less than 1% of bone marrow mononuclear cell and 50% of Epstein Barr virus transformed lymphoblastoid B cell lines. CD22 demonstrates heterogeneous expression on resting peripheral blood B lymphocytes. The antigen is lost following activation of B cells with a variety of mitogens. The CD22 molecule is a member of the Ig superfamily which appears to regulate signal transduction through the B cell receptor. It is a receptor for certain sialic acid containing glycoproteins.

REAGENT
See table above.

REAGENT CONTENTS
The antibody concentration is 20 µg/mL.

The concentration of nonantibody reagents is 0.2% BSA, 0.01 M potassium phosphate, 0.15 M NaCl, 0.1% NaN3 and stabilizers.

STATEMENT OF WARNINGS
1. This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.
2. Specimens, samples, and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
4. Do not use reagent beyond the expiration date on the vial label.
5. Minimize exposure of reagent to light during storage or incubation.

6. Avoid microbial contamination of reagents or erroneous results may occur.
7. Use Good Laboratory Practices (GLP) when handling this reagent.
8. Harmful if swallowed.
9. After contact with skin, wash immediately with plenty of water.

EVIDENCE OF DETERIORATION
Any change in the physical appearance of this reagent (clear colorless to pinkish liquid) or any major variation in values obtained for control samples may indicate deterioration and the reagent should not be used.

STORAGE AND HANDLING
CONDITIONS AND STABILITY
No preparation is necessary. This CYTO-STAT/COULTER CLONE reagent is used directly from the vial.

Bring reagent to 20-25°C prior to use.

STORAGE AND STABILITY
This reagent is stable to the expiration date on the vial label when stored at 2-8°C. Do not freeze. Minimize exposure to light.

SELECTED RESEARCH REFERENCES

PRODUCT AVAILABILITY
CYTO-STAT/COULTER CLONE B3-RD1
PN 6604428 - 0.5 mL

TRADEMARKS
The Beckman Coulter stylized logo and CYTO-STAT are trademarks of Beckman Coulter, Inc., and are registered in the USPTO.