**ANALYTE SPECIFIC REAGENT**
Analytical and performance characteristics are not established.

**ANTIBODY SPECIFICITY**
B4 (Lytic) monoclonal antibody recognizes the pan-B CD19 lymphocyte antigen, which has a molecular weight of 95 kd. It reacts with B cells including early B-cell precursors and pre-B cells. Plasma cells are negative. B4 (Lytic) does not bind to T lymphocytes, myeloid cells, erythrocytes or platelets. It stains B-cell areas in lymphoid organs and dendritic reticulum cells in lymphoid follicles. J5 (CD10), a Common Acute Lymphoblastic Leukemia Antigen (CALLA), has a molecular weight of 100 kd. It is found on some granulocytes and bone marrow, fetal liver, renal tubular, glomerular epithelial and breast myoepithelial cells from some specimens.

**REAGENTS**
See table above.

**REAGENT CONTENTS**
B4 (Lytic)-RD1: The antibody concentration is 40 µg/mL. J5-FITC: The antibody concentration is 110 µg/mL. The concentration of nonantibody reagents in 0.5 mL (1 vial) 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. Do not use antibody beyond the expiration date on label.
3. Samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
4. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
5. Minimize exposure of reagents to light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might 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 the reagent (clear, colorless to pinkish liquid) or any major variation in values obtained for control samples might indicate deterioration and the reagent should not be used.

**STORAGE AND HANDLING CONDITIONS AND STABILITY**
No preparation is necessary for CYTO-STAT/COULTER CLONE B4 (Lytic)-RD1/J5-FITC. 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 up to the expiration date when stored at 2-8°C. Do not freeze. Minimize exposure to light.

**SELECTED REFERENCES**

**PRODUCT AVAILABILITY**
CYTO-STAT/COULTER CLONE B4 (Lytic)-RD1/J5-FITC
PN 6604241 - 0.5 mL

**TRADEMARKS**
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For additional information, or if damaged product is received, call Beckman Coulter Customer Service at 800-526-7694 (USA or Canada) or contact your local Beckman Coulter Representative.

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