



For In Vitro Diagnostic Use

INTENDED USE

For use as a stabilized saline solution, containing an organic buffer and preservative, for counting and sizing blood cells on COULTER A[®]•T 5diff hematology analyzers. Intended for use only with specific A[®]•T 5diff reagents. Refer to your instrument product manuals and/or online help, as applicable.

SUMMARY

Blood cell analysis comprises diluting a whole-blood sample with a solution that functions as a diluent. The diluent provides the ability to analyze portions of the diluted blood sample for different blood cell types, such as red blood cells and platelets. When combined with the lytic reagent, the diluent is useful in the determination of hemoglobin, the enumeration of leukocytes (white blood cells), and the derivation of leukocyte subpopulations. The diluent also serves as a rinse for instrument components between analyses.

PRINCIPLES

COULTER A[®]•T 5diff Diluent is a chemical composition that includes the following:

- Sodium chloride allows the diluent to become an electrolyte capable of conducting electrical current in an electronic analyzer and, with an organic buffer, provides for pH balance and cell component stabilization (that is, becoming an isotonic solution, stabilizing blood cell volume, and reducing the turbidity in the measurement of hemoglobin).
- Sodium azide is for product preservation against microbial growth.

In this capacity, the diluent is used for the determination of red blood cell and platelet measurements. When combined with various lytic reagents, the diluent is useful in the determination of hemoglobin, the enumeration of leukocytes (white blood cells), and their differentiation into four of five subpopulations — neutrophils, lymphocytes, monocytes, and eosinophils.

REACTIVE INGREDIENTS

Sodium Chloride.....<1%
Sodium Azide<0.1%
Wetting Agent.....<0.1%

WARNINGS

- Product contains <0.1% Sodium Azide.
CAUTION: Sodium Azide preservative may form explosive compounds in metal drain lines. See National Institute for Occupational Safety and Health Bulletin: Explosive Azide Hazards (8/16/76).
- Do not inhale and/or ingest.
- Avoid eye and skin contact. In case of eye or skin contact, flush affected area with copious amounts of water for at least 15 minutes.
- DO NOT REUSE CONTAINER.

STORAGE, STABILITY, AND DISPOSAL

- Store COULTER A[®]•T 5diff Diluent at 18-25°C.
- Do not use product past expiration date.
- Use product at temperatures stated in the instrument product manuals and/or online help.
- Opened containers are stable for 3 months when used at 18-25°C. Stability only applies to the reagent when connected to the instrument with an approved reagent pickup tube and cap.
- Dispose of waste product, unused product, and contaminated packaging in compliance with federal, state, and local regulations.
- DISCARD PRODUCT IF FROZEN.

PREPARATION

COULTER A[®]•T 5diff Diluent is ready to use. Replace the reagent container as directed in your instrument product manuals and/or online help.

IMPORTANT: Do not use this product if it has been partially or completely frozen. Dispose of product in compliance with federal, state, and local regulations.

PRODUCT AVAILABILITY

COULTER A[®]•T 5diff Diluent - 1 x 20 L

REF 8547169

TRADEMARKS

A[®]•T, Beckman Coulter Logo, and COULTER are trademarks of Beckman Coulter, Inc.

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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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