

**COULTER®**  
**A<sup>c</sup>•T™ 5diff WBC Lyse**

REF 8547170

PN 772263-AA



**For In Vitro Diagnostic Use**

**INTENDED USE**

For use as an erythrocyte lytic reagent for leukocyte counting and basophil differentiation on COULTER A<sup>c</sup>•T 5diff hematology analyzers. Intended for use only with specific A<sup>c</sup>•T 5diff reagents. Refer to your instrument product manuals and/or online help, as applicable.

**SUMMARY**

COULTER A<sup>c</sup>•T 5diff WBC Lyse, an acidic solution containing a lytic reagent, is used to destroy the red cell membrane so that the white blood cell (WBC) count and differentiation of polynuclear basophils (BASO) can be accomplished.

**PRINCIPLES**

The methodology used to determine the WBC count and BASO (basophil) count uses differential lysis, impedance technology, and differential thresholds.

When an aliquot of whole blood is mixed with A<sup>c</sup>•T 5diff WBC Lyse reagent, the lytic reagent stromatolyses the red blood cells either reducing them to very small particles or causing membrane solubilization, leaving the basophils and other white blood cells to be counted by volume. The WBC count and basophil count are determined simultaneously using the Coulter Principle. Differentiation between basophils and other white blood cells is related to the A<sup>c</sup>•T 5diff WBC Lyse-specific lytic action on these white blood cells and development of the WBC/BASO histogram needed to determine the basophil percentage.

**REACTIVE INGREDIENTS**

Hydrochloric Acid .....<0.03%  
Detergent.....<0.5%

**WARNINGS**

- 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 and use COULTER A<sup>c</sup>•T 5diff WBC Lyse at 18-25°C.
- Do not store product in direct sunlight.
- Do not use product past expiration date.
- Opened containers are stable for 8 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<sup>c</sup>•T 5diff WBC Lyse 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<sup>c</sup>•T 5diff WBC Lyse - 1 x 1 L  
REF 8547170

**TRADEMARKS**

A<sup>c</sup>•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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