

# COULTER LH Series Pak Reagent Kit

REF 8547195

PN 179642-BB



## For In Vitro Diagnostic Use

### INTENDED USE

For use on COULTER HmX, LH 500, LH 750, and LH 780 hematology analyzers to lyse erythrocytes and preserve leukocytes. Use with only LH Series or ISOTON 4 diluent. Refer to your instrument product manuals and/or online help, as applicable.

### SUMMARY

An erythrolytic reagent and a leukocyte preservative produce a sample for performing a five-part WBC differential analysis using VCS technology.

### PRINCIPLES

WBC differential analysis begins by diluting a whole-blood sample with a lytic solution of formic acid that rapidly lyses the erythrocytes (red blood cells) and reduces the cellular debris to an insignificant level without altering the leukocytes (white blood cells). The leukocyte preservative, consisting of an aqueous solution containing soluble salts, is added to stop and/or neutralize the lytic activity and restore the ionic balance to the blood, thus preserving the leukocytes in their near-native state for differentiation into five subpopulations (neutrophils, lymphocytes, monocytes, eosinophils, and basophils) using impedance, radio frequency, and laser light scatter measurements (VCS technology).

### REACTIVE INGREDIENTS

The COULTER LH Series Pak Reagent Kit contains the following:

#### COULTER Erythrolyse II Reagent

Wetting Agent..... 0.3-1.5 g/L  
Formic Acid ..... 1.2 mL/L

#### COULTER StabiLyse Reagent

Sodium Carbonate ..... 6.0 g/L  
Sodium Chloride..... 14.5 g/L  
Sodium Sulfate..... 31.3 g/L

### WARNINGS

- Product contains <0.5% Formic Acid.
- 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 CONTAINERS.

### STORAGE, STABILITY, AND DISPOSAL

- Store COULTER LH Series Pak Reagent Kit at 2-25°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 60 days when stored as recommended.
- Dispose of waste product, unused product, and contaminated packaging in compliance with federal, state, and local regulations.

### PREPARATION

Reagents in the COULTER LH Series Pak Reagent Kit are ready to use. Replace the reagent kit as directed in your instrument product manuals and/or online help.

**IMPORTANT:** If product has been partially or completely frozen, allow product to warm to room temperature. Mix product by gentle inversion prior to placement on the instrument. Install and prime the reagent kit as directed in your instrument product manuals and/or online help. Verify background counts are acceptable before analyzing patient samples.

### PRODUCT AVAILABILITY

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(Contains 1 x 1900 mL Erythrolyse II and 1 x 500 mL StabiLyse reagents)

### 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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