

COULTER[®]HmX PAK Reagent Kit

REF 8547166

PN 772246-AA



For In Vitro Diagnostic Use

INTENDED USE

For use on COULTER HmX hematology analyzers to lyse erythrocytes and preserve leukocytes. Use with only ISOTON[®]III or ISOTON 4 diluent. Refer to your instrument product manuals.

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 HmX PAK Reagent Kit contains the following:

PAK LYSE - COULTER Erythrolyse™ II Reagent	
Wetting Agent.....	0.3-1.5 g/L
Formic Acid.....	1.2 mL/L

PAK PRESERVE - 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 HmX PAK Reagent Kit at 2-25°C.
- Do not use product past expiration date.
- Use product at temperatures stated in the instrument product manuals.
- 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 HmX PAK Reagent Kit are ready to use. Replace the reagent kit as directed in your instrument product manuals.

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. Verify background counts are acceptable before analyzing patient samples.

PRODUCT AVAILABILITY

COULTER HmX PAK Reagent Kit
REF 8547166
(Contains 1 x 1300 mL PAK LYSE and
1 x 350 mL PAK PRESERVE)

TRADEMARKS

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U.S. Patent Document Number 5,155,044

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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Printed in USA
Made in USA

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