

PRODUCT CODE: SIC30DL-HR2000

HEMIA 30 Diluent Instructions

Instruction

【Product Name】

SICURO 3D Diluent

【Package Specification】

Specification

Specification: 20L REF: 32042000

【Intended Use】

This product is used for dilution of blood samples and preparation of cell suspensions prior to cell analysis.

【Test Principle】

This reagent provides specific osmotic pressure and pH to control the form of red blood cells and platelets. Together with cell lysis solution, it enables white blood cell measurement against cell size and further blood cell count in electrical conductivity.

【Main Compositions】

Sodium sulfate, buffer, and antimicrobial agent.

【Storage and Transportation】

If store at 2°C-30°C, relative humidity ≤90%, no corrosive gas, well-ventilated room, the close vial stability is 2 years. If used at 15°C-30°C, the open vial stability is 60 days.

【Applicable Instruments】

Applicable to Hemia 30 Auto Hematology Analyzer manufactured by Sicuro bioengineering Ltd.

【Sample Requirements】

Samples have no coagulation or contamination and are used within 4 hours after sampling.

【Test Methods】

Electrical impedance measurements are used. This reagent provides specific osmotic pressure, pH, and electrical conductivity, and is used in conjunction with the cell lysis solution for blood cell count.

【Reference Range】

Not applicable.

【Quality Indicators】

Characteristics	Clear liquid, free from precipitates, particulates, or cotton-like substances.
Blank count	WBC ≤ 0.3×10 ⁹ /L, RBC ≤ 0.05×10 ¹² /L, HGB ≤ 2g/L, PLT ≤ 10×10 ⁹ /L

【Interpretation of Test Results】

If test results do not agree with facts, check if there is any hemolysis, coagulation, or contamination of the sample.

【Limitations of Test Method】

White blood cells are classified as large, medium, and small sizes due to the limitation of analyzers.

【Precautions】

1. Avoid cross-contamination of blood samples.
2. For trained professionals use only.
3. Do not use after expiration date.
4. If the reagent is frozen, thaw at room temperature. Gently invert and mix.
5. Stop use if any precipitates, particulates, or cotton-like substances are observed.
6. Dispose of waste, residual reagents, and contaminated packages in accordance with local regulations.
7. Avoid direct contact with the reagent. In the event of exposure to skin or eyes, rinse immediately with clean water. Seek medical advice if needed.

【Icon Illustration】

Label	Meaning
	Date of manufacture
	Manufacturer
	In vitro diagnostic medical device

	Batch code
	Temperature limit
	Use-by date
	Volume
	Consult instructions for use
	Do not re-use
	Keep away from sunlight
	Contains sufficient for <n>tests
	Catalogue number

【Manufacturer】


Sicuro Bioengineering Ltd.

Address: Sicuro house, 19 East/West Rd Port Harcourt, Nigeria.

Email: info@sicuro.com.

Website: www.sicurobio.com

【Instruction approved and revised date】

Approved date: Apr 3, 2021

Revised date: April 4 2026

【Guarantee and Technical Support】

If invalid message repeats or need technical support, please contact Sicuro Customer Service and Support Center @+2348037219600