

Mission Control™

Blood Gas and Electrolyte Control - Level 1

REF

DD-92001D

CE

IVD

LOT

2508127

Enlish

Intended Use:

MISSION CONTROL™ Blood Gas and Electrolyte Control is an assayed quality control material intended for monitoring the measurements of pH (CO₂, pO₂), blood gas analyzers and sodium, potassium, chloride, lithium, ionized calcium and total carbon dioxide in ISE electrolyte analyzers.

Product Description:

This control material is provided for monitoring analyzer performance. It is packaged in sealed glass ampules, each containing approximately 1.8 ml of solution. Ampules are packaged 10 per tray with each box containing 3 trays, for a total of 30 ampoules per box.

Active Ingredients:

MISSION CONTROL™ is a buffered solution of electrolytes (Na⁺, K⁺, Cl⁻, Ca⁺⁺, Li⁺, HCO₃⁻/CO₃²⁻). It has been equilibrated with specific levels of CO₂, O₂, and N₂. This control contains no human-based materials.

Directions for Use

Immediately introduce the liquid from the ampule to the analyzer, following the instrument manufacturer's instructions for sampling a control material. Use direct aspiration, syringe transfer, or capillary mode techniques.

Limitation:

This control is sensitive to many instrument related factors that affect analytical results. Because it is not a blood-based material, it may not detect certain malfunctions, which would affect the testing of blood.

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This control is intended for use as a quality control material and can assist in evaluating the performance of laboratory instruments. It is not for use as a calibration standard and its use should not replace other aspects of a complete quality control program.

Storage:

Store at 18-25°C. Avoid freezing and exposure to temperatures greater than 30°C. You may also store at 4-25°C without adverse effect.

Expected Ranges:

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The values for each control analyte on the enclosed Expected Ranges Chart are based on multiple determinations performed on randomly selected samples from each lot. The listing for each instrument represents the expected range for these ampules when tested at 23°C. (Note: PO₂ values will vary inversely by about one percent (1%) per degree C that the temperature of the ampules varies from 23°C).

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This product is intended for use as a quality control material and its use as the primary method for determining the accuracy of laboratory instruments is not recommended. It is not for use as a calibration standard and its use should not replace other aspects of a complete quality control program.

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