



## Combine Faultless Accuracy with Advanced Safety



Now your safety is just a click away. Designed to minimize the risk of needlestick injuries, the Crickett™ safety shield extends quickly and locks over the used needle to prevent accidental needlesticks. The Crickett safety system complies with all FDA, OSHA and NIOSH guidelines.



Healthcare providers who collect arterial blood gas samples are at risk of exposure to bloodborne pathogens. Responding to the Needlestick Safety and Prevention Act, which requires all healthcare providers in the United States to use medical devices with "engineered sharps-injury protection," OSHA revised the Bloodborne Pathogens Standard. This revision addresses the need for employers to select safer needle devices and to involve employees in identifying and choosing these devices.<sup>1</sup>



### Reference Articles:

*AARC Clinical Practice Guideline, Blood Gas Analysis and Hemoximetry: 2001 Revision and Update*

*Procedures for the Collection of Arterial Blood Specimens; Approved Standard – 4th Edition; NCCLS*

*Errors in the Measurements of Blood PCO<sub>2</sub> Due to Dilution of the Sample with Heparin Solution; JG Bradley*

*Effects of Balanced Lithium-Zinc Heparin on Ionized Calcium and General Clinical Chemistry Tests; John Toffaletti*

*A Systematic Error in the Determination of Blood PCO<sub>2</sub>; James E. Hansen*

<sup>1</sup> Occupational Safety & Health Administration (OSHA), U.S. Department of Labor

Magellan™ Needle Protection Device by Tyco Healthcare. Monoject Magellan is a trademark of Sherwood Services AG. Mosquito is a registered trademark of Westmed, Inc. Crickett is a trademark of Westmed, Inc. US Patent 7,090,646, Other US and Foreign Patents Pending. © 2006 Westmed, Inc. All rights reserved. PN 74514/Rev. 03



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# The New Definition of Accuracy



# Introducing the Mosquito® Arterial Blood Gas Sampler

## The challenge:

Eliminate pre-analytical errors in arterial blood gas collection.

## The Westmed solution:

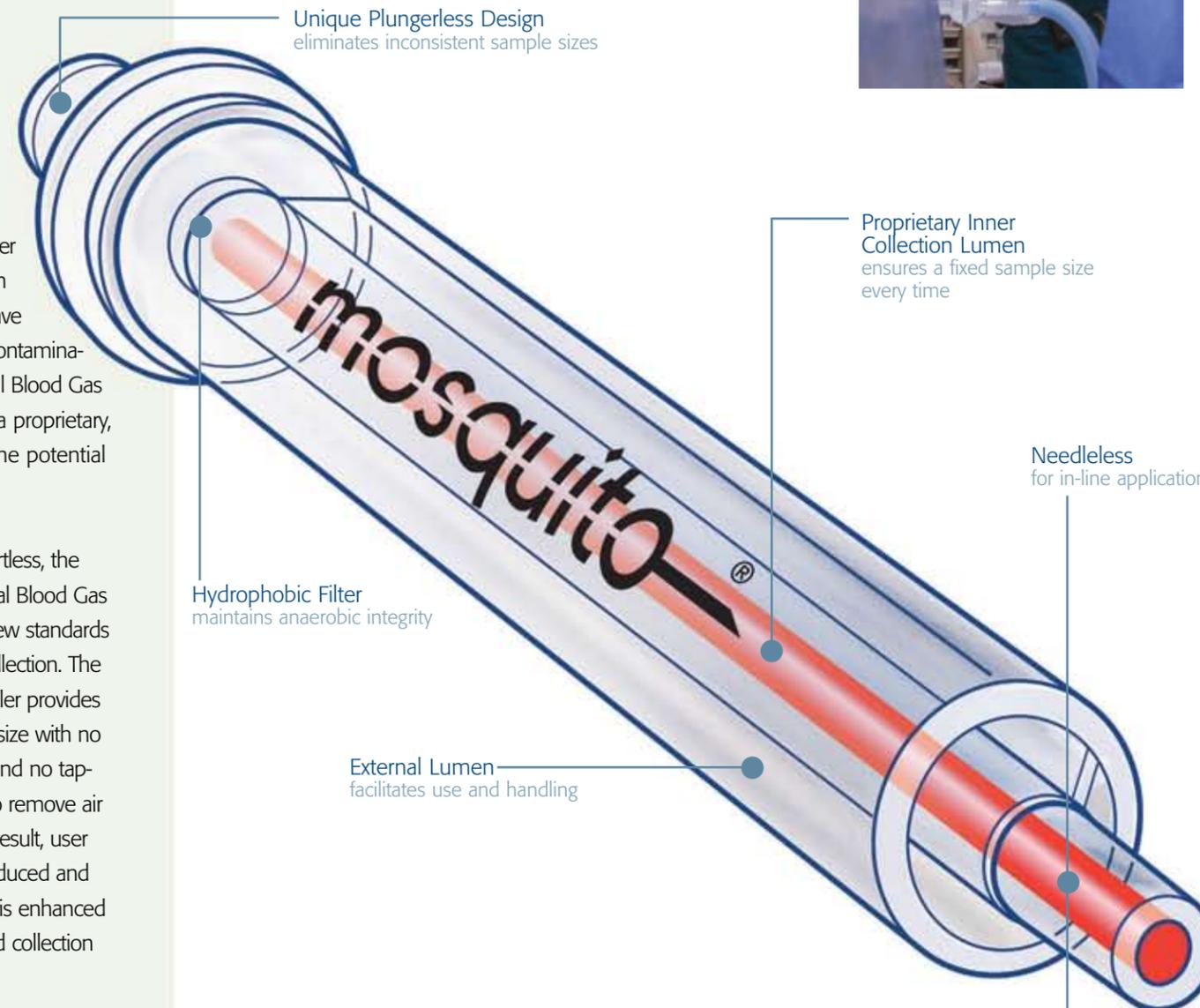
The Mosquito® Arterial Blood Gas Sampler

As arterial blood gas collection has evolved over the past three decades, the presence of air in the sample and inconsistent sample sizes have remained the primary causes of specimen contamination. Now the revolutionary Mosquito Arterial Blood Gas Sampler redefines collection accuracy with a proprietary, anaerobic design that virtually eliminates the potential for pre-analytical sampling errors.



Airless and effortless, the Mosquito Arterial Blood Gas Sampler sets new standards in blood gas collection. The Mosquito sampler provides a fixed sample size with no plunger to set and no tapping required to remove air bubbles. As a result, user interaction is reduced and standardization is enhanced whenever blood collection is performed.

The proprietary, dual lumen design features an easy-to-grip external barrel, similar in diameter to the familiar 3ml syringe. The unique inner collection lumen ensures an exact sample size every time. Arterial pressure fills the Mosquito sampler rapidly, so flash back and fill time occur almost simultaneously. With minimal mixing, the special balanced Lithium/Zinc heparin formulation results in no CO<sub>2</sub> dilutional error, and only nominal effect on specific analytes.



No Plunger



No Air



No Tapping

22, 23 or 25 Gauge Needles enhance patient comfort while reducing the potential for arterial trauma

## Take the sting out of pre-analytical sampling errors

**We've made it easier for you and less traumatic for your patient. The anaerobic "plungerless" design results in a fixed sample size and virtually errorless sampling.**

- No plunger to set.
- No tapping required.
- No filter needed to expel air bubbles.

### Fixed volume eliminates inconsistent sample size.

- Repeatable process in micro sampling.
- Standardization in blood collection.

### Micro sampling significantly reduces the amount of blood required for accurate analysis.

- Benefits both user and patient.
- Collection sample size matches current analyzer technology requirements.
- Available in 280 & 500 Microliter Samplers

### 22, 23 or 25 gauge needles enhance patient comfort.

- Reduce trauma to the artery and surrounding area.
- Minimize potential for re-sticks.
- Clear hub facilitates visualization of arterial puncture.

### Similar in size to a 3ml syringe.

- External barrel diameter is familiar, lightweight and easy to use.

### Special balanced Lithium/Zinc heparin formulation results in accurate blood gas and electrolyte sampling.

- Rapid anticoagulation action.
- Minimal mixing required.
- No CO<sub>2</sub> dilutional error.
- Nominal effect on specific analytes.

## A Heritage of Innovation

For nearly three decades, the management of Westmed has been instrumental in the development of innovative arterial blood gas sampling solutions. Our heritage includes the introduction of dry heparin and the addition of state-of-the-art safety protection. Now the Mosquito Arterial Blood Gas Sampler raises the bar in collection performance and your safety in blood gas analysis.