

How can I meet all of my  
arterial blood collection needs?

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A comprehensive range of sampling devices  
for safe blood gas collection and analysis.

**RAPIDLyte Arterial Sampling Syringes  
and RAPIDLyte Multicap Capillaries**

Answers for life.

**SIEMENS**

# Looking for arterial sampling devices that maximise user safety and minimise pre-analytical error?

RAPIDLyte® Syringes and RAPIDLyte Multicap™ Capillaries offer choice and configuration flexibility to meet your clinical needs.

## Our RAPIDLyte arterial blood samplers help ensure accurate Blood Gas results for more effective patient management.

When critical treatment decisions are influenced by blood gas tests, you need to be confident that the results you rely on are accurate. And since the accuracy of analyser results depends on the quality of the initial sample, you need to be sure that your arterial sampling devices maintain the integrity of the blood you collect.

At Siemens Healthcare Diagnostics, we understand that blood gas results can only be as dependable as the sample that enters the analyser.

We also understand the need to protect users when collecting arterial samples, and the importance of maximising analyser uptime. That's why our RAPIDLyte arterial sampling syringes and RAPIDLyte Multicap capillaries are designed to minimise pre-analytical error, keep users safe and maximise workflow efficiency.

### Choice and Flexibility

Our comprehensive portfolio includes syringes and capillaries in multiple configurations to meet all of your arterial blood collection needs.

RAPIDLyte samplers are fully compatible with blood gas analysers from Siemens and other leading manufacturers for the determination of pH/blood gases, electrolytes, metabolites and CO-Oximetry test results.



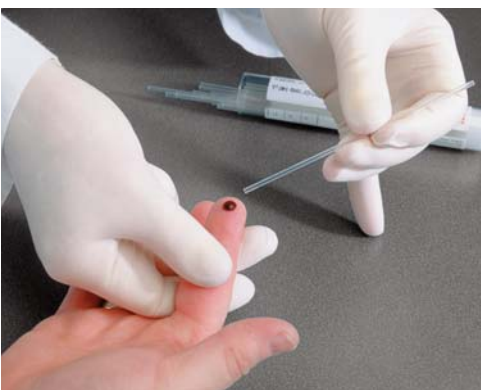


## RAPIDLyte Arterial Sampling Syringes



- Auto-venting syringes enable direct sampling via an arterial puncture
- Aspirating syringes allow sampling from patients with an arterial line 'T' piece in place
- Available with dry-sprayed, balanced or reduced heparin formulations
- Patented air filter cap enhances safety and analytical precision
- Needle, needle stopper and needle safety sheath configuration options

## RAPIDLyte Multicap Capillary Samplers



- In clinical situations where direct arterial sampling is not practical, our RAPIDLyte Multicap glass capillaries and RAPIDLyte Multicap-S plastic capillaries enable the collection of an arterialised sample from a skin puncture site
- Fast, easy filling
- Balanced heparin formulation reduces electrolyte binding for more accurate results
- Precise coating process ensures heparin homogeneity along the entire tube length

## Accurate Results, Effective Management

Trusted blood gas results can help physicians make therapeutic decisions with greater confidence. Siemens' RAPIDLyte arterial sampling syringes maintain the highest possible sample integrity to help ensure consistent, accurate analytical results that can contribute towards improved clinical outcomes.

### Fast, Easy Air Bubble Removal

- Filter cap enables rapid, safe removal of air bubbles to minimise gas dissolution into the sample

### No Dilution Errors

- Dry-sprayed heparin eliminates the dilution errors associated with liquid heparin

### Minimised Electrolyte Binding

- Balanced heparin formulation provides optimized anticoagulation with minimum interference for more accurate results

## Improved Analytical Workflow

Improperly heparinised blood samples can contain clots, which may cause a blood gas analyser to malfunction. Our advanced, dry-sprayed heparin formulations reduce the potential for clots, maximising your instrument uptime. Minimal-interference heparin formulations from Siemens are also electrode friendly, so you get higher performance, over longer periods, with less maintenance.

## Enhanced User Safety and Convenience

RAPIDLyte arterial sampling syringes from Siemens minimise the potential for needlestick injuries and the risk of exposure to blood-borne pathogens. They also incorporate design features that make sampling easier for the user and less uncomfortable for the patient.

### Easy-to-Use Needle Safety Sheath

- Simple, one-handed, auto-locking operation
- Needlestick exposure time is reduced to seconds
- Tested and proven in use<sup>1</sup> for correct operation and user preference

### Biosafe Sampling

- Filter cap eliminates aerosols and the biohazard risks associated with expelling bubbles into gauze pads
- Cap remains in place during storage and transport to the analyser

### Practical Short Bevel Needle

- Facilitates positioning inside the artery and helps to avoid inadvertent puncturing of the anterior wall
- Arterial penetration is immediately indicated by the 'blood flash' visible in the transparent needle hub
- Thin walls maximise bore size for fast filling with reduced patient discomfort

### References:

1. Nesbit J. Occupational Hazard: Accidental needle pricks infect thousands of medical workers. The Jackson Patriot, July 1, 1998, pp. B1, B3.





## Sampling Accuracy, Safety and Flexibility to Meet Your Clinical Needs

Arterial sampling devices from Siemens are available in a variety of sizes and configurations to meet specific clinical needs across a range of care settings:

- Intensive Care Units
- Neonatal Intensive Care Units
- Operating Theatres
- Emergency Departments
- Respiratory Units
- General Wards

### RAPIDLyte Aspirating Syringes



- Blood sampling direct from an arterial line
- 1 mL or 3 mL sizes
- Luer Lock option on 3 mL syringes for easy connection to arterial line stopcock

### RAPIDLyte Auto-Venting Syringes



- Direct sampling via arterial puncture
- 1 mL or 3 mL sizes
- Large venting filter for rapid filling with minimum back pressure
- Auto-venting safety syringes are fitted with needle safety sheath

### RAPIDLyte Multicap-S Plastic Capillaries

- Sampling from skin puncture sites
- 100  $\mu$ L, 140  $\mu$ L and 175  $\mu$ L sizes
- PETG (glycol modified polyethylene terephthalate) plastic provides flexibility and eliminates the risks associated with glass breakage
- Supporting companion products include caps and adapters



Our RAPIDLyte Multicap-S plastic capillaries are a safer alternative for the collection of a sample from a skin puncture site.



# RAPIDLyte Arterial Sampling Syringes and RAPIDLyte Multicap Capillaries

## RAPIDLyte Auto-Venting Syringes

Catalog Number	Syringe Description	Heparin Type	Filter Cap	Luer Lock	Needle Stopper	Needle	Needle Safety Sheath	Quantity
00925045	RAPIDLyte 1 mL Auto-Venting	Balanced	Yes	No	Yes	25 g	No	200
08784181	RAPIDLyte 1 mL Auto-Venting	Balanced	Yes	No	Yes	No	No	200
04500537	RAPIDLyte 1 mL Auto-Venting	Reduced	Yes	No	Yes	25 g	No	200
07416421	RAPIDLyte 1 mL Auto-Venting	Reduced	Yes	No	Yes	No	No	200
07339648	RAPIDLyte 1 mL Auto-Venting Safety	Balanced	Yes	No	No	25 g	Yes	200
08685019	RAPIDLyte 1 mL Auto-Venting Safety	Reduced	Yes	No	No	25 g	Yes	200
04155422	RAPIDLyte 3 mL Auto-Venting	Balanced	Yes	No	Yes	22 g	No	200
05150149	RAPIDLyte 3 mL Auto-Venting	Balanced	Yes	No	Yes	No	No	200
01175589	RAPIDLyte 3 mL Auto-Venting	Reduced	Yes	No	Yes	22 g	No	200
04909133	RAPIDLyte 3 mL Auto-Venting	Reduced	Yes	No	Yes	No	No	200
00950953	RAPIDLyte 3 mL Auto-Venting Safety	Balanced	Yes	No	No	22 g	Yes	200
08918285	RAPIDLyte 3 mL Auto-Venting Safety	Reduced	Yes	No	No	22 g	Yes	200

## RAPIDLyte Aspirating Syringes

Catalog Number	Syringe Description	Heparin Type	Filter Cap	Luer Lock	Needle Stopper	Needle	Needle Safety Sheath	Quantity
02932901	RAPIDLyte 1 mL Aspirating	Reduced	Yes	No	No	No	No	200
08679280	RAPIDLyte 1 mL Aspirating	Balanced	Yes	No	No	No	No	200
00355281	RAPIDLyte 3 mL Aspirating	Balanced	Yes	No	No	No	No	200
04180028	RAPIDLyte 3 mL Aspirating	Balanced	Yes	Yes	No	No	No	200
06194484	RAPIDLyte 3 mL Aspirating	Reduced	Yes	Yes	No	No	No	200
06407844	RAPIDLyte 3 mL Aspirating	Reduced	Yes	No	No	No	No	200

## RAPIDLyte Multicap Capillaries

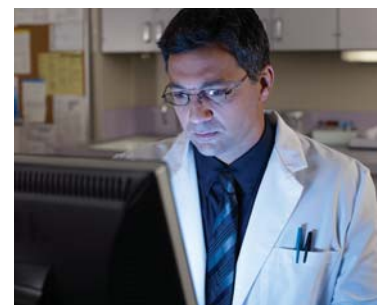
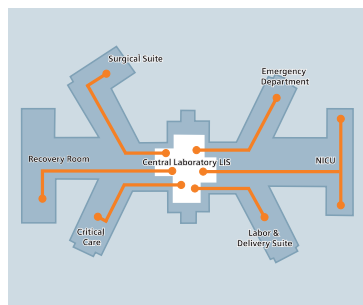
Catalog Number	Capillary Description	Material	Heparin Type	Capillary Size (µl)	Quantity
00335434	Multicap-S	Plastic	Balanced	100	50
05656514	Multicap-S	Plastic	Balanced	100	500
04549544	Multicap-S	Plastic	Balanced	140	50
00325811	Multicap-S	Plastic	Balanced	140	500
06440221	Multicap-S	Plastic	Balanced	175	50
02043295	Multicap-S	Plastic	Balanced	175	500
00855578	Multicap	Glass	Balanced	60	100
05974729	Multicap	Glass	Balanced	100	50
05614986	Multicap	Glass	Balanced	100	500
01198961	Multicap	Glass	Balanced	140	50
06493996	Multicap	Glass	Balanced	140	500
07162853	Multicap	Glass	Balanced	175	50
01519512	Multicap	Glass	Balanced	175	500
01558100	Caps for Multicap and Multicap-S Capillary Tubes				100
08685906	Caps for Multicap and Multicap-S Capillary Tubes				200

## Complete Solutions for Arterial Blood Sampling and Analysis

Make sure that you get the most from your samples. In addition to a full line of arterial sampling devices, Siemens offers a family of blood gas analysers and communications tools designed specifically to provide rapid, reliable results across the spectrum of critical care settings.

From delivering urgent results near a patient's bedside to supporting the demands of high-volume clinical laboratories, Siemens offers analysers designed to help improve clinical outcomes and increase overall operational and financial efficiencies. Plus, our RAPIDComm® Data Management software puts it all together by providing access to critical blood gas results from a central workstation.

**For more information, contact your Siemens Healthcare Representative today.**



Siemens Healthcare Diagnostics, the leading clinical diagnostics company, is committed to providing clinicians with the vital information they need for the accurate diagnosis, treatment and monitoring of patients. Our comprehensive portfolio of performance-driven systems, unmatched menu offering and IT solutions, in conjunction with highly responsive service, is designed to streamline workflow, enhance operational efficiency and support improved patient care.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

#### Siemens Global Headquarters

Siemens AG  
Wittelsbacherplatz 2  
80333 Muenchen  
Germany

#### Global Siemens Healthcare Headquarters

Siemens AG  
Healthcare Sector  
Henkestrasse 127  
91052 Erlangen  
Germany  
Telephone: +49 9131 84 - 0  
[www.siemens.com/healthcare](http://www.siemens.com/healthcare)

#### Global Division

Siemens Healthcare Diagnostics Inc.  
1717 Deerfield Road  
Deerfield, IL 60015-0778  
USA  
[www.siemens.com/diagnostics](http://www.siemens.com/diagnostics)

[www.siemens.com/diagnostics](http://www.siemens.com/diagnostics)