



# A comprehensive range of sampling devices designed for safe blood gas collection and accurate analysis

Atellica VTR Syringes and Multicap Capillary Tubes

[siemens-healthineers.com/pre-analytical-sampling-devices](https://siemens-healthineers.com/pre-analytical-sampling-devices)

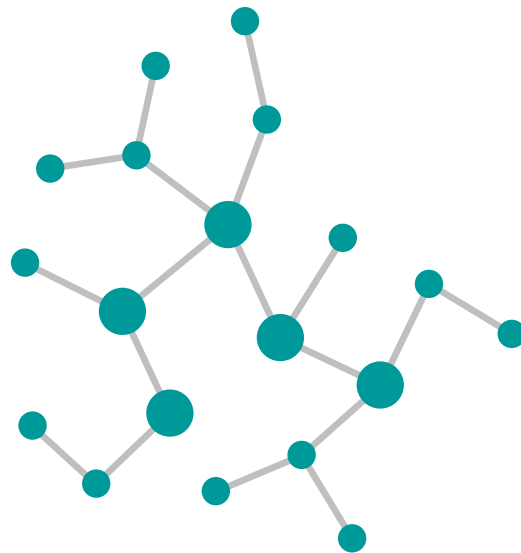


The Siemens Healthineers critical care portfolio delivers transformational solutions by offering products ranging from sample collection devices to systems that manage test results. With a comprehensive range of blood gas instrumentation plus sampling devices that ensure accuracy, operator safety, and patient comfort, Siemens Healthineers provides complete coverage for your blood gas and electrolyte testing needs.

# Responding to the need for accuracy

Heparin is a key component in arterial blood gas testing. Traditionally manufacturers have increased or decreased the amount and/or types of heparin to prevent alteration of electrolyte results (e.g.,  $iCa^{++}$ ) caused by dilution or other effects. With over four decades of proven performance, the Atellica® VTR Syringes respond to the need for rapid, accurate blood collection and sample integrity.

The Atellica VTR Syringe design reduces the potential for pre-analytical errors, featuring a dry, balanced, lithium-zinc heparin formulation that prevents coagulation with virtually no impact on electrolytes. These benefits are not affected by whole-blood samples with low protein content.<sup>1</sup>



1. Toffaletti J, Thompson T. Effects of blended lithium-zinc heparin on ionized calcium and general clinical chemistry tests (letter to the editor). *Clin Chem.* 1995;41(2).

# Built for safety

Arterial blood gas sampling is an invasive procedure that can result in accidental needlestick injury and exposure to bloodborne pathogens. The Atellica VTR Syringes feature ABG SafetyTip™ needlestick protection technology to help prevent accidental needlestick injuries.

SafetyTip needlestick protection is engineered as an integral part of the needle to comply with all FDA, OSHA, and NIOSH guidelines. Intuitive, single-handed safety activation is easy to learn and simple to use. Distinctive by design, the SafetyTip device provides optimum visualization of the insertion site. With the needle bevel facing up, the protective sheath aligns parallel to the syringe barrel, resulting in a clear, unobstructed view.

In addition, the patented dual-locking design promotes operator safety by securely covering the needle with an audible click.

Bevel point in "up" position: no conflict with protective sheath

Protective sheath (color-coded for needle gauge size):  
22G: Gray  
23G: Blue  
25G: Orange

Locking mechanisms

Protective sheath rests flat against syringe barrel when removed from the package. It does not obstruct the view of the puncture site.



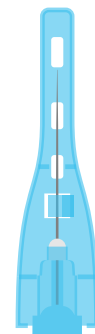
After sample collection, place the SafetyTip device on a hard surface.



Press down on the SafetyTip device until the needle is covered.

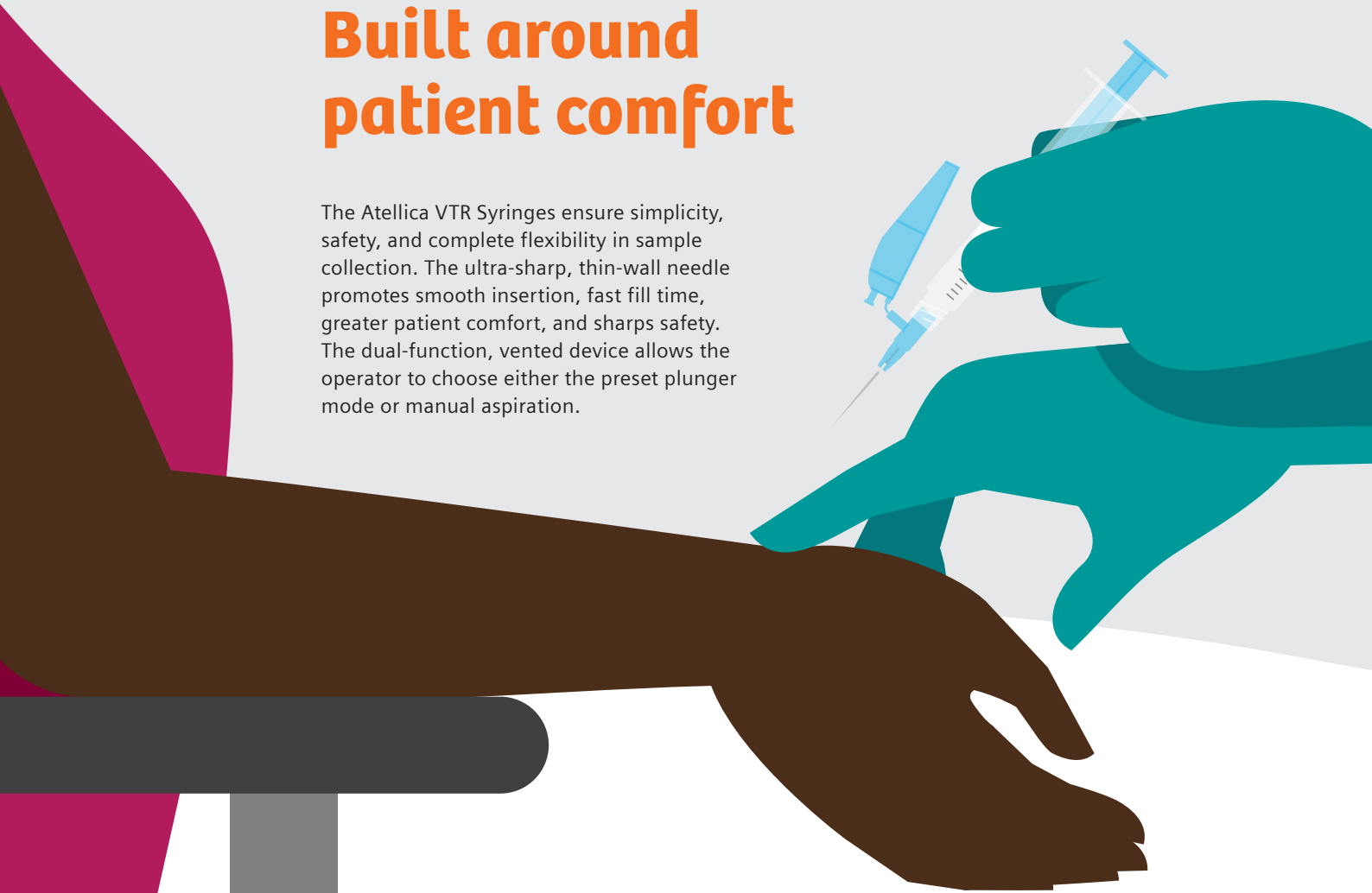


Dual-locking action covers and secures the needle with an audible click.

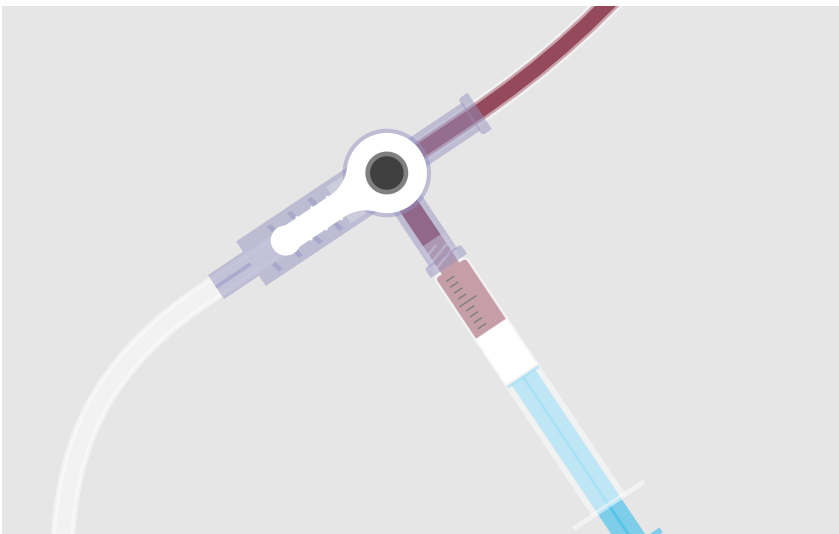


# Built around patient comfort

The Atellica VTR Syringes ensure simplicity, safety, and complete flexibility in sample collection. The ultra-sharp, thin-wall needle promotes smooth insertion, fast fill time, greater patient comfort, and sharps safety. The dual-function, vented device allows the operator to choose either the preset plunger mode or manual aspiration.



Atellica VTR Syringes respond to the need for patient comfort and operator control.



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Additionally, the proven Atellica VTR Syringe vent system removes syringe dead space contamination, whether blood is drawn from an arterial puncture or arterial line.

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## Auto-venting syringes

All auto-venting syringes for direct sampling via arterial puncture come in 1 mL or 3 mL sizes and include a large venting filter for rapid filling with minimum back pressure. Auto-venting syringes are also available with a needle safety sheath. There are 100 syringes per box, tripled-packaged, and filter caps are included.

## Aspirating syringes

Aspirating syringes sample directly from an arterial line and come in 1 mL or 3 mL sizes. There are 100 syringes per box, tripled-packaged, and filter caps are included.

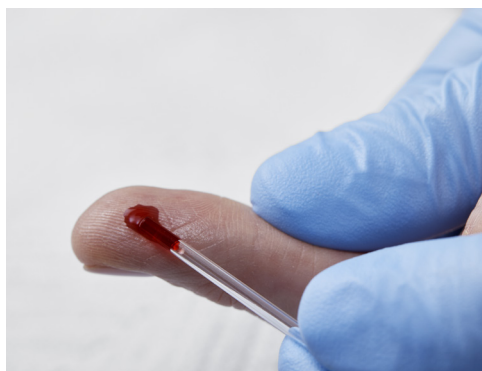
Siemens SMN	SMN Description	Needed or Non-needed	Luer-Slip (LS) or Luer-Lock (LL)	SafetyTip or Q-Cork?	Amount of Heparin	Needle Gauge	Needle Length
11561340	1cc-25U Vented & Vented Tip Cap	Non-needle	LS	NA	25 IU	NA	NA
11561341	1cc-25U Aline Aspr Syr & Vented Tip	Non-needle	LS	NA	25 IU	NA	NA
11561342	1cc-25U Vented VT Cap 25g 5/8"Ndl	Needle	LS	Q-Cork	25 IU	25g	5/8 in.
11561343	1cc-25U Vented Vnt Tip 25g 5/8"Ndl	Needle	LS	SafetyTip	25 IU	25g	5/8 in.
11561344	3cc-50U Vented & Vented Tip Cap LS	Non-needle	LS	NA	50 IU	NA	NA
11561345	3cc-50U Vented & Vented Tip Cap LL	Non-needle	LL	NA	50 IU	NA	NA
11561346	3cc-50U Aline Aspr LS & Vented Tip	Non-needle	LS	NA	50 IU	NA	NA
11561347	3cc-50U Aline Aspr & Vented Tip Cap	Non-needle	LL	NA	50 IU	NA	NA
11561348	3cc-50U Vented&Vnted Tip 22gx1"Ndle	Needle	LS	Q-Cork	50 IU	22g	1 in.
11561349	LS3cc-50UVented SafTip NdIPrt 22g1"	Needle	LS	SafetyTip	50 IU	22g	1 in.
11561350	LL3cc-50UVented SafTip NdIPrt 22g1"	Needle	LL	SafetyTip	50 IU	22g	1 in.
11561351	3cc-50U Vented 23gx1"Ndl,Vented Cap	Needle	LL	SafetyTip	50 IU	23g	1 in.
11561352	LS3cc-50U Vented 23gx1"Ndl Vent Cap	Needle	LS	SafetyTip	50 IU	23g	1 in.



## Multicap™ glass and Multicap-S plastic capillaries

The precise coating process and use of a balanced heparin formulation reduce electrolyte binding for more-accurate results and homogeneity along the entire tube length. Capillaries come in multiple sample volume sizes and quantities and are supported by several companion products, including caps, mixing fleas,\* magnets, and adapters.

*\*Recommended for pH, pO<sub>2</sub>, and pCO<sub>2</sub> analysis only.*



### Glass capillaries

SMN	Catalog	Heparin	Volume	OD	Quantity
10321712	04996974	Balanced	100 µL	1.65 mm	100
10310990	08851318	Na/K Balanced	100 µL	1.65 mm	100
10314213	00855578	Balanced	60 µL	2.34 mm	100
10323539	05974729	Balanced	100 µL	2.34 mm	50
10322912	05614986	Balanced	100 µL	2.34 mm	500
10314796	01198961	Balanced	140 µL	2.34 mm	50
10311005	06493996	Balanced	140 µL	2.34 mm	500
10325868	07162853	Balanced	175 µL	2.34 mm	50
10315378	01519512	Balanced	175 µL	2.34 mm	500

### Plastic capillaries

SMN	Catalog	Heparin	Volume	OD	Quantity
10313252	00335434	Balanced	100 µL	2.34 mm	50
10322986	05656514	Balanced	100 µL	2.34 mm	500
10320937	04549544	Balanced	140 µL	2.34 mm	50
10313226	00325811	Balanced	140 µL	2.34 mm	500
10324363	06440221	Balanced	175 µL	2.34 mm	50
10316361	02043295	Balanced	175 µL	2.34 mm	500

## Capillary companion products

SMN	Catalog	Description	Supported OD	Quantity
10311053	478601	Capillary Caps	1.65 mm	200
10311054	478605	Capillary Caps	2.34 mm	100
10328655	478527	Capillary Caps	2.34 mm	200
10311055	478606	Mixing Fleas and Magnets	All	100
10330785	478647	RAPIDLab® 348EX Blood Gas Systems – Adapters	All	100

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. By constantly bringing breakthrough innovations to market, we enable healthcare professionals to deliver high-quality care, leading to the best possible outcome for patients.

Our portfolio, spanning from in-vitro and in-vivo diagnostics to image-guided therapy and innovative cancer care, is crucial for clinical decision-making and treatment pathways. With our strengths in patient twinning, precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the biggest challenges in healthcare. We will continue to build on these strengths to help fight the world's most threatening diseases, improving the quality of outcomes, and enabling access to care.

We are a team of 66,000 highly dedicated employees across more than 70 countries passionately pushing the boundaries of what's possible in healthcare to help improve people's lives around the world.

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The Atellica® VTR Syringes are not available in the U.S. Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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