

Your **Power** for Health



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The outer tube is made of polyethylene terephthalate (PET) and ensures a long shelf-life for the vacuum

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980136 Rev.00 10.2009 e



# VACUETTE® Coagulation Tubes

Our Innovations  
for Your Safety

# VACUETTE® Coagulation Tubes

## Patented double-wall technology for reliable analysis results

Over the years, the innovative **VACUETTE®** Blood Collection Tubes for coagulation diagnostics from Greiner Bio-One have proven themselves on the market to be the ideal solution. This was made possible by Greiner Bio-One's technological competence, as only years of perfecting technical know-how can guarantee highest quality.

## Constant development and improvement of the tube

Greiner Bio-One is the only supplier in the world to offer a vacuum coagulation tube with safety twist cap for easy manual opening as well as automated opening using decapping instruments.

New, transparent PREMIUM labels provide better visual control of the sample quality in the tube.



## General handling recommendations

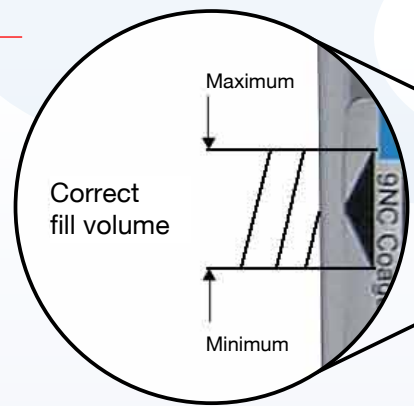
During venipuncture, several samples are collected for laboratory tests. We recommend the following order of draw.

This order of draw conforms to the CLSI "Standard Procedures for the Collection of Diagnostic Blood Specimens by Venipuncture, Approved Standard-Sixth Edition".

\* If taken first, then only suitable for routine tests (e.g. PT and aPTT). If the first blood sample directly after venipuncture is used, there is a risk of contaminating the sample with tissue thrombokinase, which could lead to incorrect results.

Order of draw	
1	Blood culture or No additive tubes
2	Coagulation tubes*
3	Serum tubes with/without gel
4	Heparin tubes with/without gel
5	EDTA
6	Glucose
7	Other

**New fill-level mark for 1ml, 2ml, 3ml and 3.5ml**

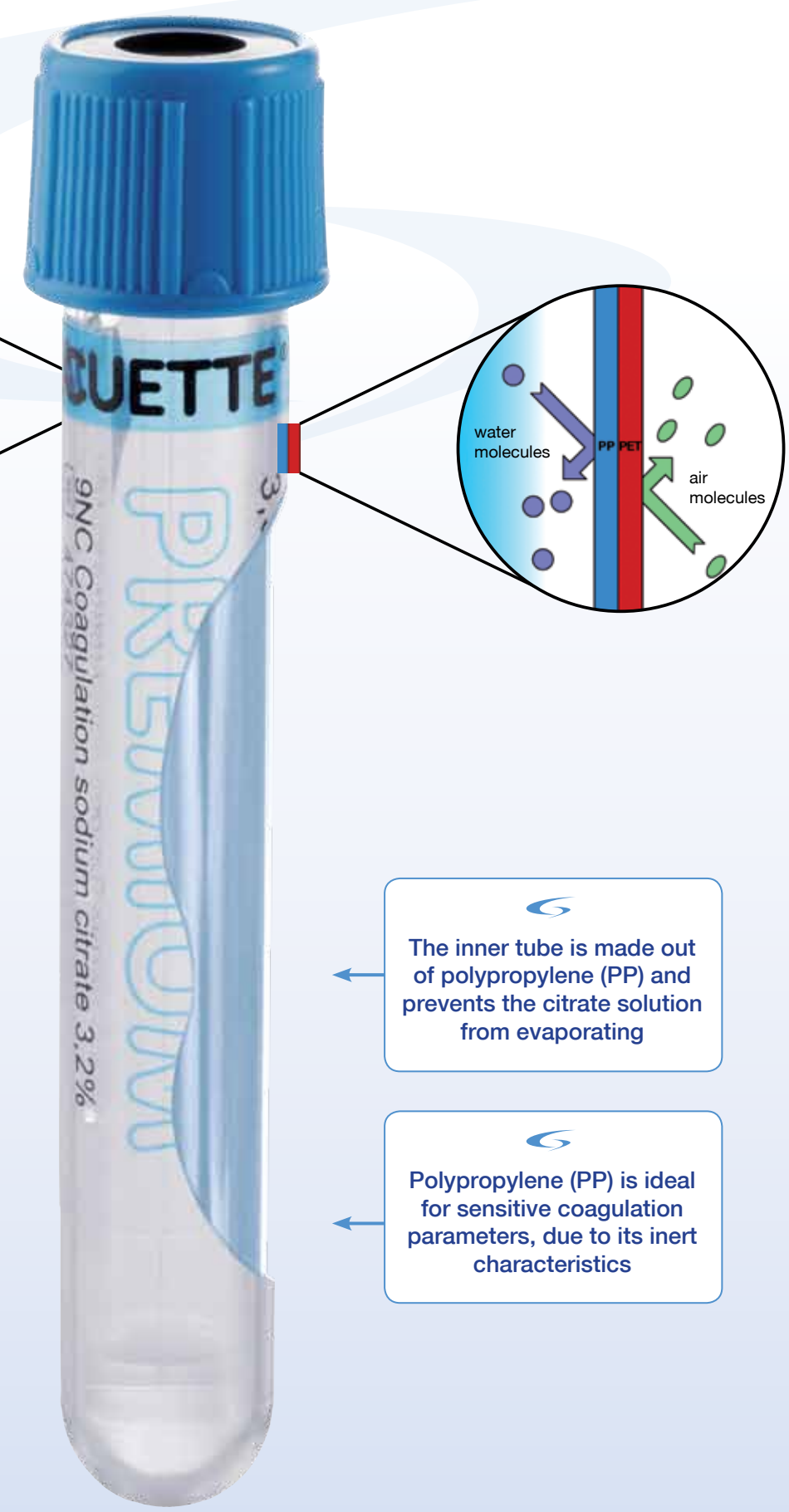


## New fill-level mark for correct mixing ratio and correct results

A new fill-level mark in the form of an arrow tip clearly indicates the minimum and maximum fill level, as well as the nominal fill level. This ensures a reliable, correct blood to additive ratio.

The correct mixing ratio of venous blood and sodium citrate is ensured during blood collection, so that the tube contains 1 part sodium citrate solution to 9 parts blood.

Immediately after blood collection, gently invert the coagulation tube 4 times without shaking. This ensures that the blood is mixed thoroughly with the additive.



**The inner tube is made out of polypropylene (PP) and prevents the citrate solution from evaporating**

**Polypropylene (PP) is ideal for sensitive coagulation parameters, due to its inert characteristics**

## Notes on centrifugation

	Centr. speed	Duration
Platelet rich plasma (PRP)	150 g	5 min.
Platelet poor plasma (PPP)	1500 – 2000 g	10 min.
Platelet free plasma (PFP)	2500 – 3000 g	20 min.

It is recommended to centrifuge coagulation tubes with a 90° swing-out rotor, so that the sediment surface settles at a right angle to the tube wall.

Check that the tubes are placed correctly in the centrifuge insert. When citrate plasma is centrifuged, the centrifugation process should be allowed to coast to a finish, without sudden braking.

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
<b>9 NC Coagulation sodium citrate 3.2% – PREMIUM (Safety Twist Cap)</b>					
454320	1 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw
454321	2 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw
474321	2 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw, transparent label
454325	3 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube
454327	3.5 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube
474327	3.5 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube, transparent label
<b>9 NC Coagulation sodium citrate 3.2% – Non-ridged (pull cap)</b>					
454322	2 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw
454360	2 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw, transparent label
454334	3 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube
454332	3.5 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube
<b>9 NC Coagulation sodium citrate 3.8% – PREMIUM (Safety Twist Cap)</b>					
454381	2 ml	light blue	white	13 x 75	sodium citrate 3.8%, sandwich tube, paediatric draw
454385	3 ml	light blue	black	13 x 75	sodium citrate 3.8%, sandwich tube
454387	3.5 ml	light blue	black	13 x 75	sodium citrate 3.8%, sandwich tube
<b>9 NC Coagulation sodium citrate 3.8% – Non-ridged (pull cap)</b>					
454382	2 ml	light blue	white	13 x 75	sodium citrate 3.8%, sandwich tube, paediatric draw
454393	3 ml	light blue	black	13 x 75	sodium citrate 3.8%, sandwich tube
454392	3.5 ml	light blue	black	13 x 75	sodium citrate 3.8%, sandwich tube
<b>CTAD – PREMIUM (Safety Twist Cap)</b>					
474065	2 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
474304	3 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
454064	3.5 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube
474064	3.5 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
<b>CTAD – Non-ridged (pull cap)</b>					
454441	3 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label

Coagulation and CTAD tubes are available in the PREMIUM version with a choice of paper or plastic label.