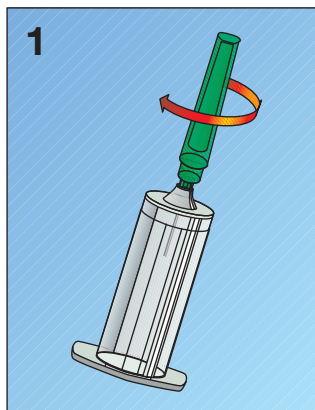
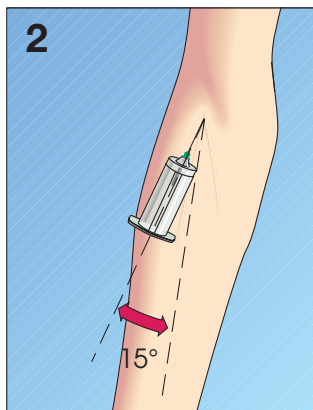


# The VACUTAINER® System with HEMOGARD® Closure

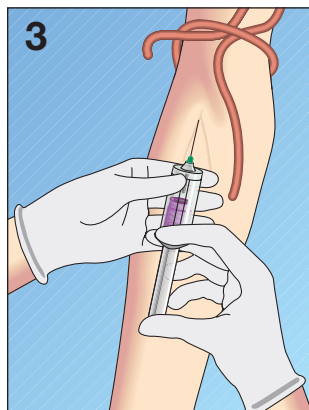
## An Easy and Reliable Blood Collection Technique



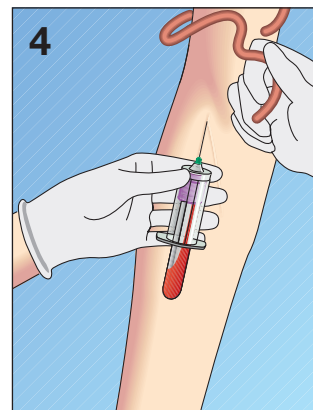
1 Holding the coloured section of the needle shield in one hand, twist and remove the white section with the other hand. Screw VACUTAINER® blood collection needle into holder, remove coloured needle shield and place it into the VACUTAINER® needle reshielding device.



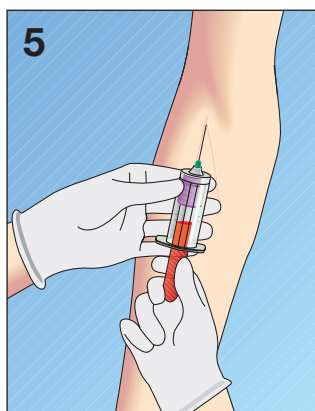
2 Perform venipuncture in the usual manner with the arm in a downward position.



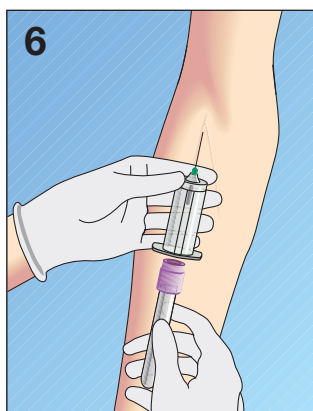
3 Steady holder in its position with your left hand before introducing a VACUTAINER® tube. With the thumb of the opposite hand on the bottom of the tube, push the tube to the end of the barrel to release the vacuum. If the vein has been punctured correctly, the blood will start flowing into the tube as soon as it has been pushed into the barrel.



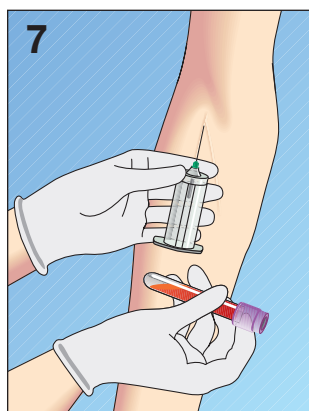
4 Given normal vein conditions, the tourniquet may be loosened when the blood starts to flow into the collection tube.



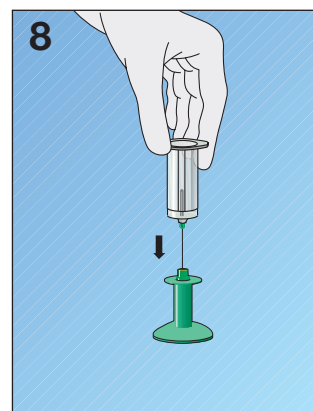
5 Remove the full specimen tube from the barrel by placing your thumb on one of the holder wings and pressing against it as the tube is withdrawn. This helps to avoid displacing the needle and facilitates the tube withdrawal.



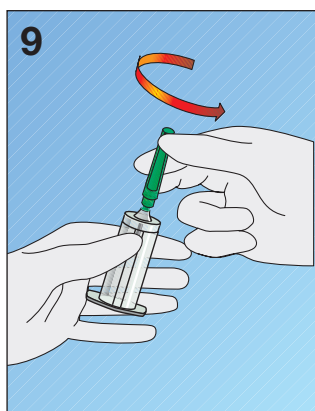
6 The VACUTAINER® tube can be easily changed if multiple samples are required. The valve avoids blood spillage from the needle.



7 Gently invert VACUTAINER® tube containing anticoagulants immediately after blood collection. Do not shake.



8 After blood withdrawal, insert needle into the coloured shield, which has previously been placed into the needle reshielding device.



9 Remove reshielded needle from the reshielding device. Unscrew needle from the tube holder.

### If the Blood Flow Stops:

Often, a dislocation of the needle will solve the problem and allow the collection of additional blood. If the vein has not been found, withdraw the sample tube from the barrel to retain the vacuum inside the tube. Blood sampling may be continued using a fresh needle. The same specimen tube may be used.

### If the Vein Collapses:

Remove the tube leaving the needle in place. When the vein has built up again you may push back the tube and continue blood sampling.

### Recommended Order of Draw:

1. Tubes with no additive
2. Coagulation tubes
3. Other tubes with additives



## HEPARINE- WHOLE BLOOD

Whole blood sendings  
for cellular immune  
profile



## EDTA- WHOLE BLOOD

Whole blood sendings  
for cellular immune  
profile



## SERUM

For all serum tests  
centrifuge 10 min.,  
3000 RPM.  
During centrifugation  
the gel separates  
serum from blood cells  
and the sample can be  
forwarded without  
further preparation.

**Use of the vacutainer test tubes**