

We say STOP to haemolytic samples!



S-Monovette® - Minimises haemolysis rates

- Combines the advantages of Aspiration- and Vacuum systems*
- Suitable for all vein conditions
- Reduces repeated blood collection
- Cost and time-saving
- Optimal sample quality
- Patient friendly

* The S-Monovette® is a 2 in1 System. When collecting blood from an IV cannula use the aspiration technique only.



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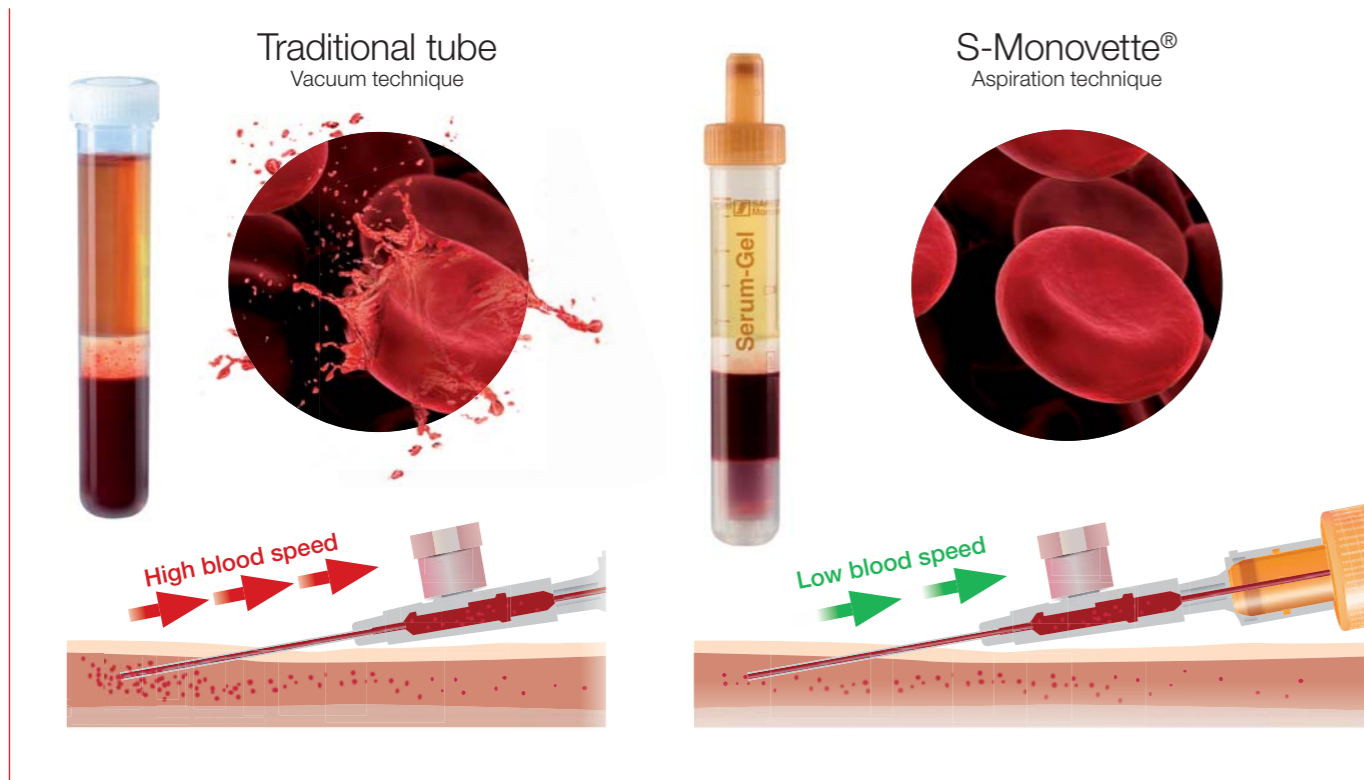
Haemolytic Samples

The most frequent reason for repeated blood collection in EDs



The risk of haemolysis

Vacuum technique vs. Aspiration technique



We say STOP to haemolytic samples!

S-Monovette®

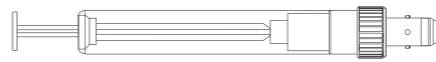

The optimum product for all challenges



S-Monovette®

The blood collection system proven to reduce haemolysis

Haemolysis rates using an IV catheter¹

Blood collection tube	Vacuum technique	Aspiration technique
 S-Monovette®	31 %	<2%
 Traditional tube	29 %	not possible

¹Prevention of hemolysis in blood samples collected from intravenous catheters

Lippi et al Clin Biochem 46: 561-564, 2013

Extract of reference literature



Prevention of hemolysis in blood samples collected from intravenous catheters.
Lippi et al Clin Biochem 46: 561-564, 2013

Critical review and meta-analysis of spurious hemolysis in blood samples collected from intravenous catheters.
Lippi et al. Biochemica Medica 23(2): 193-200, 2013

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Lippi et al. Critical Reviews in Clinical Laboratory Sciences 48(3): 143-153, 2011

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A laboratory medicine best practices systematic review and meta-analysis
Heyer et al Clin Biochem 45: 1012-1032, 2012

Obtaining blood samples from peripheral Intravenous Catheters: Best Practice?
Halm et al, Am J Crit Care 18: 474-478, 2009

Observational study to determine factors associated with blood sample haemolysis in the emergency department.
Ong et al Ann Acad Med Singapore 37: 745-8-564, 2008

Reducing blood sample hemolysis at a tertiary hospital emergency department.
Ong et al Am J Med 122(11): 1054.e1-e6, 2009

The Effect of Blood Drawing Techniques and Equipment on the Hemolysis of ED Laboratory Blood Samples.
Grant MS J Emerg Nurs 29: 116-121, 2003

Use of separate veniunctures for IV access and laboratory studies decreases hemolysis rates.
Straszewski et al J Intern Emerg Med 6(4): 357-359, 2011

Factors Affecting Hemolysis Rates in Blood Samples Drawn from Newly Placed IV Sites in the Emergency Department.
Dugan et al J Emerg Nurs 31(4): 338-345, 2005