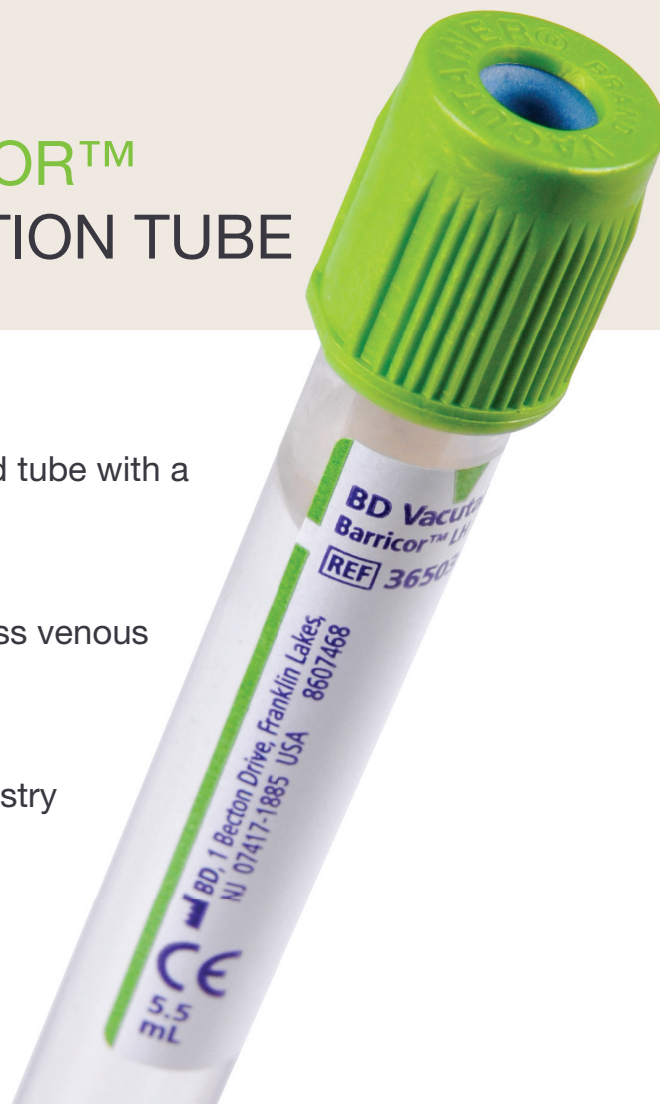


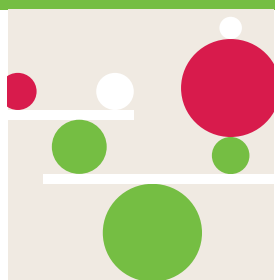
# INTRODUCING BD VACUTAINER® BARRICOR™ PLASMA BLOOD COLLECTION TUBE

## What is BD Barricor™?

- BD Barricor™ is a single-use plastic evacuated tube with a mechanical separator
- Used to collect, separate, transport and process venous blood specimens
- Provides high quality plasma sample for chemistry determinations for in vitro diagnostic use

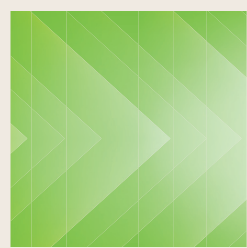


**BD BARRICOR™ PLASMA BLOOD COLLECTION TUBE** consistently provides a fast, clean, high-quality plasma sample, to enable the most accurate results.



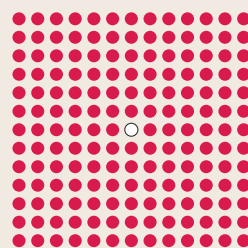
### QUALITY

The BD Barricor™ mechanical separator technology delivers a leading edge collection and analytical process by eliminating separator artefacts that may interfere with analyte testing and that could lead to instrument downtime. This innovation helps deliver the highest diagnostic quality and patient care.



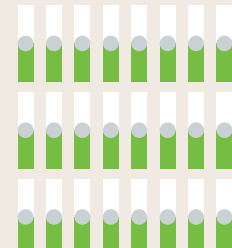
### SPEED

BD Barricor™ delivers a faster time-to-result for all patients with no clotting time and a reduction in centrifugation time of up to 7 minutes.



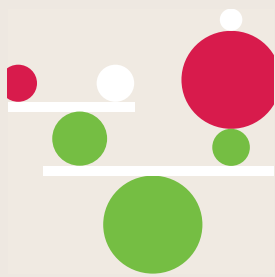
### ACCURACY

BD Barricor™ is an innovative technology that provides greater confidence in the accuracy of laboratory results across a broad range of analytes enabling Clinicians to act on reliable and credible results to deliver cutting edge care and service.



### EFFICIENCY

BD Barricor™ has been designed to ensure optimal performance across the sample and laboratory workflow, providing opportunities for improving the total cost of operations.



# THE BD BARRICOR™ ATTRIBUTES

Designed to optimise performance



## Tube dimensions

- 13 x 100 mm and 13 x 75 mm\*

## Draw volume

- 3.0 mL\*\*, 4.5 mL\*\*

## Lithium heparin additive

- Same as BD Vacutainer® PST™II and heparin tubes
- Same additive to volume ratio as BD Vacutainer® PST™II or lithium heparin tubes

\* Available in 3mL only

\*\* Available in Norway

## BD Hemogard™ Closure

- Lime green colour for easy identification

- DEHP and BPA are not part of the material formulation

## Mechanical Separator

- Launched under centrifugation
- Creates stable, robust barrier

## Surfactant coating on separator

- Reduces cells adhering to the separator
- Optimised to not interfere with analytes even if tube is under-drawn

# BD BARRICOR™ SUPERIOR QUALITY COMPARED WITH PLASMA AND SERUM GEL SEPARATION TUBES

A comparison of BD Barricor™ and conventional plasma and serum separation tubes

Attribute	BD Vacutainer® PST™II (1300G/10mins, 4.5mL)	BD Barricor™ (4000G/3min, 4.5mL)
Centrifugation time	10min	3min
Gel globules	Episodic	None
RBC hang up (Occurance rate)	66%	4%
Diagnostic accuracy (average cell counts for mixed samples)		
Residual White Cells	0.516 x 10 <sup>3</sup> cells/µL	0.194 x 10 <sup>3</sup> cells/µL: on average 62% less
Residual Red Cells	0.0064 x 10 <sup>6</sup> cells/µL	0.0036 x 10 <sup>6</sup> cells/µL: on average 44% less
Residual platelets	71.01 x 10 <sup>3</sup> cells/µL	39.51 x 10 <sup>3</sup> cells/µL: on average 47% less
Chemistry stability	24hrs stability for: AST, LDH, K, Phosphate and many other analytes	7-day stability for many routine analytes including analytes sensitive to cellular contamination: LD, K, AST and PHOS
TDM stability	Yes	7-day stability for: 7 TDMs at launch including hydrophobic drugs
Plasma yield	52%	43% (- 0.4 mL vs BD PST™ II)
Shelf life	18 months	18 months

Comparator is BD Vacutainer® PST™ II

AST: aspartate aminotransferase, LDH: lactate dehydrogenase, TDM: therapeutic drug monitoring, K: potassium

Attribute	BD Vacutainer® SST™II Plus (1300G/10 mins, 5.0 mL)	BD Barricor™ (4000G/3 mins, 5.0 mL)
Clotting time	30 min	0 min
Centrifugation time	10min	3min
Gel globules	Episodic	None
Fibrin masses	Risk when insufficiently clotted	No risk
Hemolysis: HI on Roche Integra mean (Confidence Interval)	8.9 (7.5, 10.6)	8.5 (7.5, 9.4)
Residual platelet counts (mixed sample)	2.41 x 10 <sup>3</sup> cells/µL	57.7 x 10 <sup>3</sup> cells/µL
Chemistry stability	Many at 7 days	7-day stability for many routine analytes including analytes sensitive to cellular contamination: LD, K, AST and PHOS
TDM stability	13+ TDMs, including hydrophobic drugs	7-day stability for 7 TDMs at launch including hydrophobic drugs
Sample yield	46%	43% (- 0.18 mL vs BD SST™ II)
Infectious diseases	Yes	Yes
Donor screening infectious disease claim	Yes	Currently plasma is not used by blood banks for donor screening
Shelf life	18 months	18 months

\*Hemolysis index as measured on the Roche platform

CI: confidence interval, TDM: therapeutic drug monitoring

