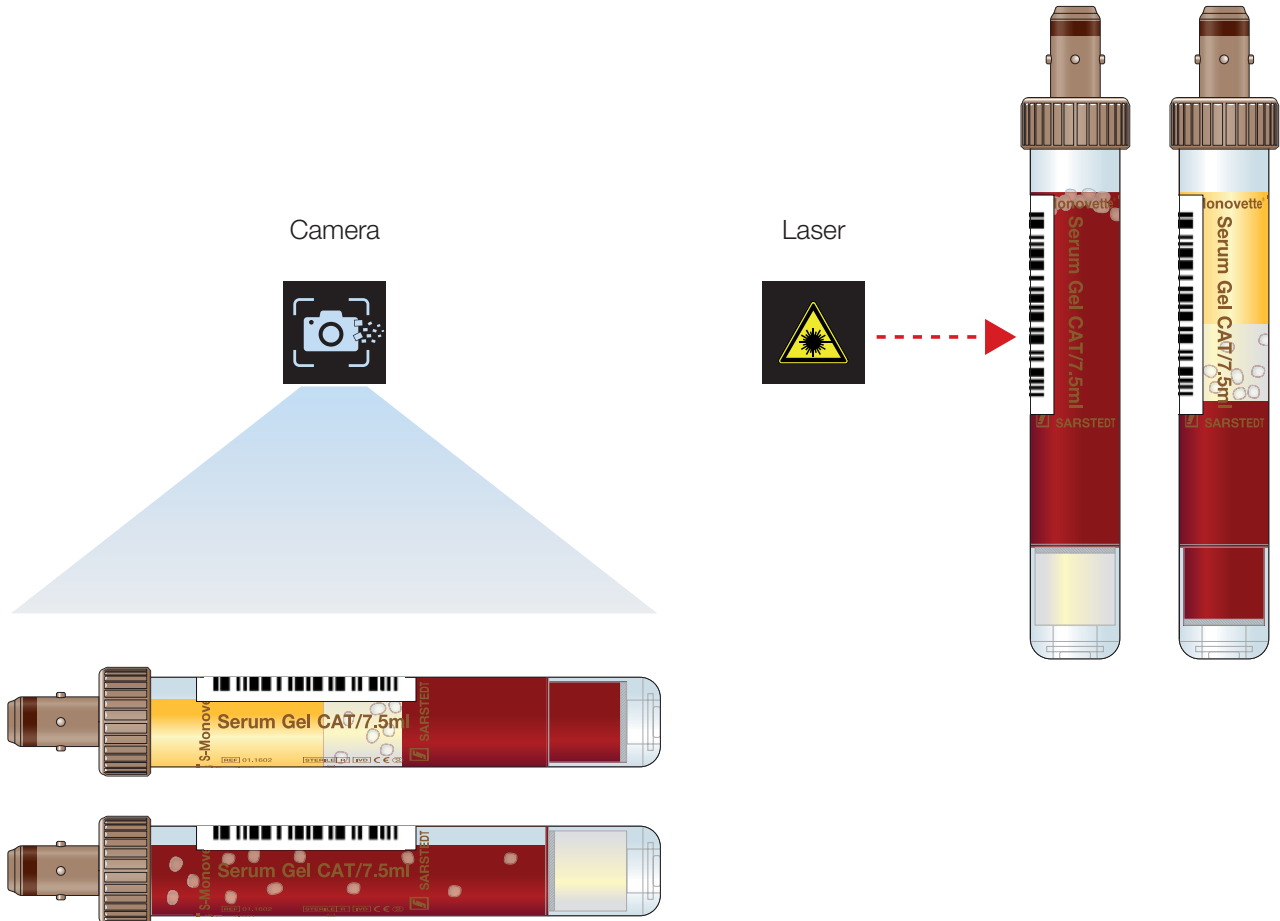


Gel-Check

Automatic determination
of centrifugation status
with camera & laser

Prevents re-centrifugation of gel tubes in the automated pre-analytical workflow

- Valid procedure with 2 methods
- Classification rate 99%
- No manual pre-sorting
- For gel tubes (S-Monovette® and vacuum)
- High throughput of up to approx. 1,200 tubes/h
- Available for automation systems
Bulk Sorter **BL 1200** and
High Speed Sorter **HSS** with Bulk Loader Module



Gel-Check

In-process classification of centrifuged and non-centrifuged blood samples



Optimal specimen quality

In order to ensure optimal sample quality, blood samples in gel tubes should ideally be centrifuged immediately after blood collection, prior to transport. Centrifugation creates a stable layer of separating gel. In this way, liquid and cellular components are permanently separated from one another.

Avoid re-centrifugation

Re-centrifugation of these sample tubes is not recommended (CLSI, GP44-A4 2010; Section 5.4.3). This could cause lysed blood components from the centrifuged blood cells to enter the serum/plasma. As a result, cell-associated parameters such as potassium, phosphate, glucose or LDH are changed (Hue et al.; Ann Clin Biochem 1991; 28 309-19).



Extra effort for high quality

When the specimens arrive in the laboratory, it is advised that the gel tubes be differentiated into 'centrifuged' and 'non-centrifuged'. Up to now, this is ensured with labor intensive visual inspection and manual pre-sorting. Only then does the automatic processing begin.

More efficiency with Gel-Check

The automatic classification of specimens with the Gel-Check function relieves laboratory staff and further reduces sample throughput times.

Tests in the laboratory have shown that the procedure, which combines two independent methods, can lead to a valid classification rate of 99%. Specimens with an invalid classification are categorized as 'questionable' and separated out for manual screening. Factors such as labels that have been attached incorrectly (too low) can significantly increase the rate of tubes classified as 'questionable'.

With Gel-Check (option) in the Bulk Sorter BL 1200 or the High Speed Sorter HSS with Bulk Loader Module, the efficiency of sample intake in medical laboratories can be significantly increased.



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