# Low Binding Micro Tubes



- Low Protein Binding Micro Tubes Minimizes protein loss SafeSeal locking cap design Centrifugation up to 20,000 x g\*
- Low DNA Binding Micro Tubes Minimizes DNA loss
  SafeSeal locking cap design
  Centrifugation up to 30,000 x g\*
  (2ml up to 25,000 x g\*)

1A16B

\*Filled to nominal volume with double deionized water (low surface tension), 20°C, 90 min. fixed angle rotor



PCR Performance Tested Quality✓ DNA-free ✓ DNase/RNase-free ✓ PCR inhibitor-free



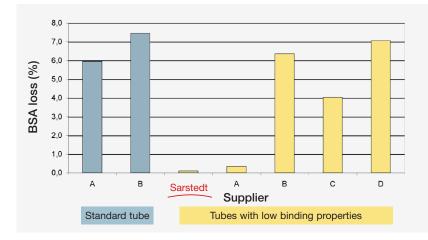


# Minimal sample loss

As the trend towards decreasing sample volumes continues, it is increasingly important to minimize potential interaction between the analyte and tube. Our low protein and new low DNA binding micro tubes are specifically designed to meet the requirements in protein and DNA analytics while maximizing recovery rates.

Aside from small volumes, minimizing protein and DNA loss is particularly essential for low concentration samples to enable further analysis.

## Low protein binding – a comparative illustration of average BSA loss:

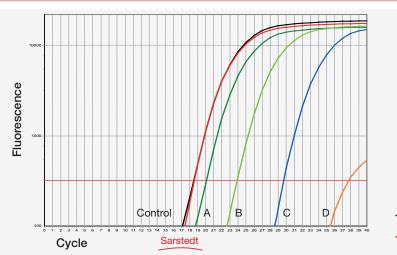


#### Test procedure:

10 test tubes each from several suppliers were filled with an aqueous BSA solution in a concentration of 10 μg/ml in water and stored at 4°C. After 24 hrs. incubation, the BSA solution was extracted and the concentration determined by means of a Bradford assay (Zor, T and Seliger /. 1996, Anal. Biochem. 236, pp. 302 to 308).

The percentage loss calculation was based on the average value established for the 10 tubes tested.

## Low DNA binding – a comparative illustration of DNA loss:



#### Test procedure:

10 test tubes each from several suppliers were filled with a 100 µl plasmid DNA solution in a concentration of 10<sup>5</sup>/µl and shaken at 37°C. After 3 hrs. incubation, the DNA content was determined by Real Time PCR.

The diagram shows one of these 10 test series as an example.



### Ordering Information

Order No.	Micro Tube	Volume	Packaging
72.704.600	Low Protein Binding	0.5 ml	50 pcs./bag • 300/inner box • 1,200 pcs./case
72.704.700	DNA Low Binding		
72.706.600	Low Protein Binding	1.5 ml	50 pcs./bag • 200/inner box • 800 pcs./case
72.706.700	DNA Low Binding		
72.695.600	Low Protein Binding	2 ml	
72.695.700	DNA Low Binding		

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