milian®
DUTSCHER GROUP

MICROCENTRIFUGE
LOW BINDING TUBES

Low Binding
CLEARLine®
"Be cool, be safe, be CLEARLine"

MINIMIZE SAMPLE LOSS!

Low Binding Microtubes 0.5, 1.5 and 2.0 ml CLEARLock™ CLEARLine®



LOW BINDING CLEARLOCK™ CLEARLINE® MICROTUBES

The sample loss during handling where volumes are small, concentrations are low or in any applications where processing steps are extensive is a very crucial point for the success of the analysis.

With the aim of **preventing potential interactions between analytes and tubes**, Biosigma has created the new Low Binding CLEARLock™ CLEARLine® Microtubes line.

The new Microtubes are **performed to minimize protein and nucleic acid loss** avoiding any surface coating e.g., silicone etc. Biosigma Low-bind material ensures optimal sample recovery for best and reproducible results **reducing the risk of interference** with the samples.

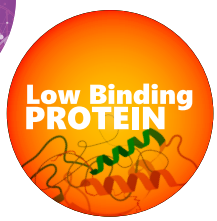
The low Binding Protein and DNA Microtubes are **designed to minimize protein and DNA loss** particularly essential for low concentration samples, providing the ideal solution for both sample preparation and long-term storage.

Each batch is certified free from human DNA, DNase, RNase, ATP, endotoxins, and PCR inhibitors.

MAIN CHARACTERISTICS

- Maximum Nucleic Acid and Protein recovery rates
- Hinged lid prevents any unintentional opening during use
- Precise lid sealing avoids evaporation during long-term storage
- Pierceable writing cap
- Graduated with writing area
- Optimal transparency
- Centrifugation up to 30,000 x g
- Temperature range: -80°C + 100°C
- Autoclavable at +121°C for 20 minutes
- Zip bags, re-closable
- Particularly suitable for Molecular Biology and Biochemistry
- In Polypropylene Medical Grade, Non Cytotoxic – Non Hemolytic
- Recommended for chemical and byological sample storage
- Human DNA, DNase, RNase, Endotoxin, ATP, PCR inhibitors free certified*





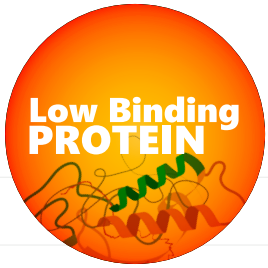




* Certificate of analysis available for download on www.milian.com

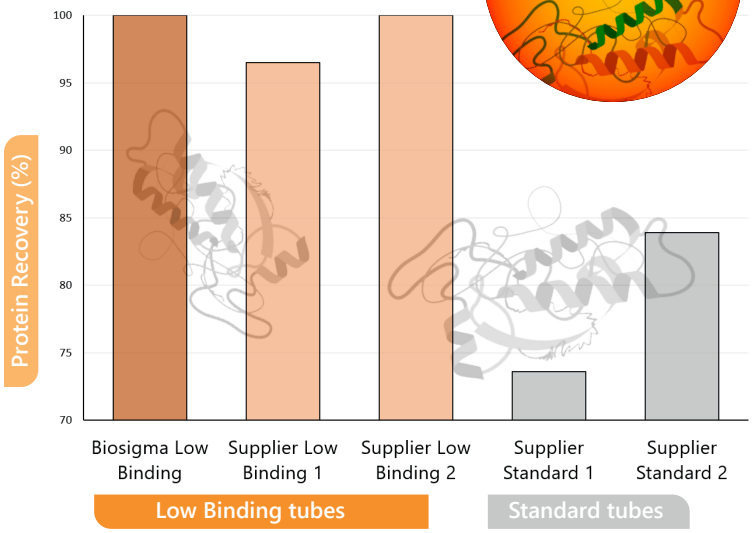
CLEARLine®
"Be cool, be safe, be CLEARLine"
MEDICAL GRADE
DNase RNase
Human DNA
PCR Inhibitors
ATP
Endotoxin

PROTEIN RECOVERY WITH LOW BINDING PROTEIN MICROTUBES CLEARLOCK™ CLEARLINE® COMPARED WITH OTHER SUPPLIERS.



Test procedure:

- Low Binding protein CLEARLock™ CLEARLine® Microtubes from Biosigma, suppliers 1 and 2 (Low binding and standard) were filled with an aqueous BSA solution and human protein extracts in a concentration of 40ng/ml and stored at 4°C for 24hrs.
- After the incubation, proteins were extracted, concentration determined by Bradford assay, values normalized for Biosigma Microtubes recovery and used to generate the following graphic.
- 3 independent experiments were performed.
- Average recovery >20% compared to standard tubes.



Microtube in PP with locking system, Protein Low Binding

CAT. NO.	Color		Volume (ml)	Internal packaging	Sale unit
390886	neutral	Protein Low Binding	0.5	bag/100	500
390888	neutral	Protein Low Binding	1.5	bag/50	200
390890	neutral	Protein Low Binding	2.0	bag/50	200

MAXIMUM PROTEIN AND DNA RECOVERY RATES

SAFETY CAP WITH WRITING AREA AND PIERCEABLE

OPTIMAL TRANS-PARENCY

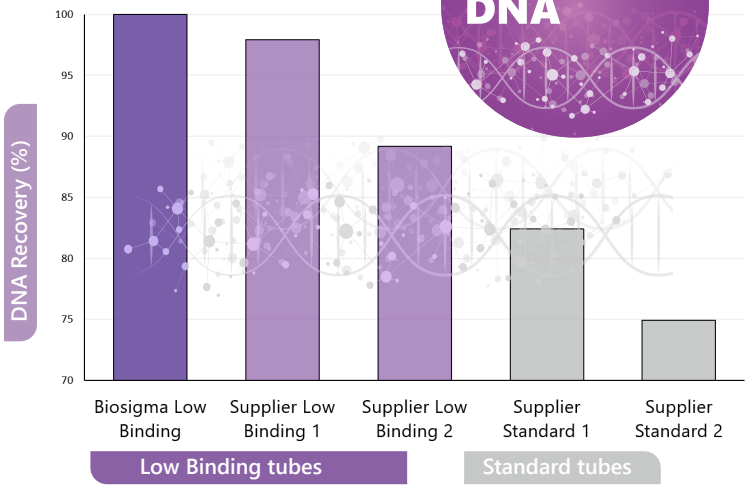
FREE FROM HUMAN DNA, DNASE, RNASE, ATP, ENDOTOXINS, AND PCR INHIBITORS

DNA RECOVERY WITH LOW BINDING DNA MICROTUBES CLEARLOCK™ CLEARLINE® COMPARED WITH OTHER SUPPLIERS



Test procedure:

- Low Binding DNA CLEARLock™ CLEARLine® Microtubes from Biosigma, suppliers 1 and 2 (Low binding and standard) were filled with 3,5ng/µl and 0,35ng/µl of Human Nuclear DNA and stored at -80°C for 24hrs.
- After the incubation, 5 and 10 µl of DNA solution were amplified by PCR (35 and 40 cycles), the intensities of bands were calculated using ImageJ, values normalized for Biosigma Microtubes amplified products, and used to generate the following graphic.
- 3 independent experiments were performed.
- Average recovery >20% compared to standard tubes.



Microtube in PP with locking system, DNA Low Binding

CAT. NO.	Color		Volume (ml)	Internal packaging	Sale unit
390885	neutral	DNA Low Binding	0.5	bag/100	500
390887	neutral	DNA Low Binding	1.5	bag/50	200
390889	neutral	DNA Low Binding	2.0	bag/50	200

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