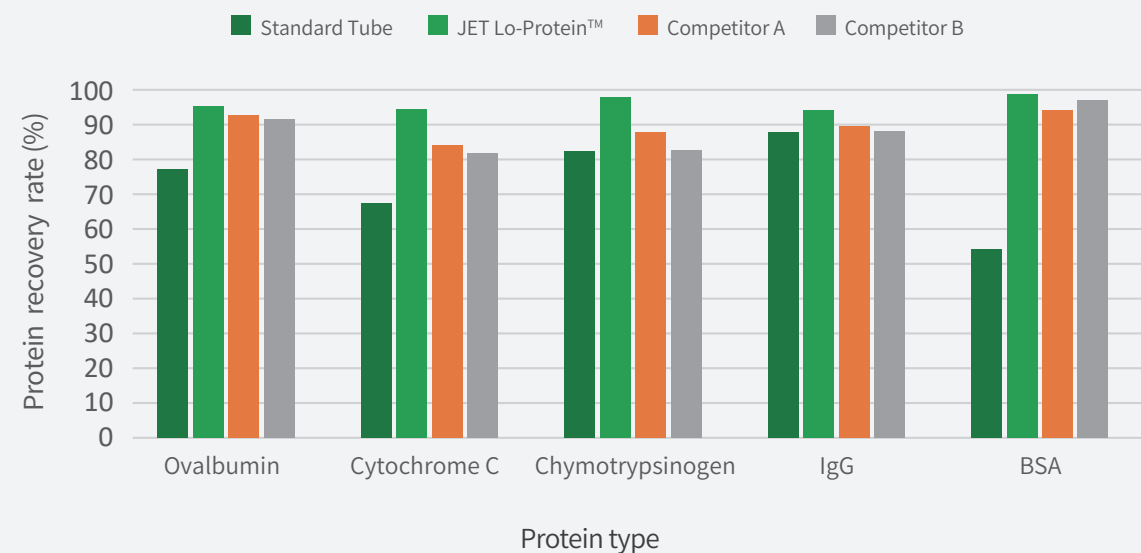


Recovery Rate of Typical Proteins

Lo-Protein™ Low Protein Binding Microcentrifuge Tubes - Minimizing Protein Sample Loss

Evaluate the protein binding performance of the product by testing the recovery rate of different proteins



Test condition instruction 1: Take the low protein binding microcentrifuge tubes, fill it with the same amount of target protein solution (10µg/mL), and store it at 4°C for 24h. Concentrations of typical proteins are measured by Bradford Assay, the recovery rate is an average of data tested by each centrifuge.

Test condition instruction 2: CompetitorA/B are international top brand' s low protein binding centrifuge tube products.

Test condition instruction 3: After incubation for 24h, the binding between protein and tube wall becomes saturated.

Order Information

Cat. No.	Capacity (mL)	Maximum RCF (xg)	Sterilization	Qty . Per bag/box
CFT800005	0.5	30,000	No	50/400
CFT800015	1.5	25,000	No	50/400
CFT800020	2.0	25,000	No	50/400
CFT801005	0.5	30,000	Yes	50/400
CFT801015	1.5	25,000	Yes	50/400
CFT801020	2.0	25,000	Yes	50/400



YOUR RELIABLE PARTNER IN LIFE SCIENCE



Lo-Protein™ Low Protein Binding Microcentrifuge Tubes



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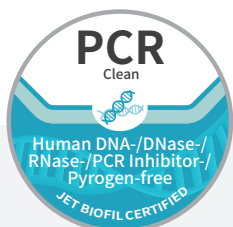
Lo-Protein™ Low Protein Binding Microcentrifuge Tubes

During gene therapy and vaccine production, it often involves type of protein purification process, which relies on high-quality plastic products for sample handling and storage, non-specific binding in plastic vessels will cause the loss of valuable protein samples. Experiments with small volume samples require more emphasis on non-specific binding between the sample and the container.

Lo-Protein™ low protein binding microcentrifuge tubes optimize the microcentrifuge tube for protein analysis. Special high-purity polypropylene polymer material is preferred, without surface coating (such as silicification). Strict quality control is implemented in strict accordance with ISO9001 and ISO13485, which makes the product quality stable and can significantly reduce the samples binding to plastic surface, minimize the loss of samples, ensure the maximum recovery rate of your precious samples, and make analysis results more accurate.

Material : Polypropylene (PP), conforming to USP Class VI standards

Capacity : 0.5mL, 1.5mL, 2.0mL



JET PCR Clean Test Standard

For nucleic acid experimental operations (e.g. nucleic acid extraction, purification, PCR, qPCR, etc.), Jet products that pass PCR clean test can be used for nucleic acid related experimental operations, and the product quality is guaranteed.

PCR clean products meet the following standards (PCR Clean Certified):

- ✓ Human DNA free
- ✓ DNase/RNase free
- ✓ PCR inhibitor free
- ✓ Pyrogen free



JET Sterile Quality Test Standard

In order to minimize the impact of consumables pollution and meet more stringent analysis requirements, the sterile quality test standards constructed by Jet Bio not only meets the production conditions of high cleanliness, but also must undergo sterilization treatment.

Sterile quality products meet the following standards (Sterile Certified):

- ✓ Sterile
- ✓ Pyrogen free
- ✓ DNase/RNase free

Product Application

- ✦ Preparation and storage of proteins, peptides or antibodies
- ✦ Virus storage, slow down the decline of virus titer
- ✦ Storage of cell suspensions

Product Features

1. Specially Selected Raw Materials

- ✦ Centrifuge tubes are made from special high-purity polypropylene (PP) polymer, which significantly reduces the non-specific absorption between the protein sample and the tube surface
- ✦ High transparency of PP material is easy to observe capacities and scales
- ✦ The tube body can withstand temperature range: -80°C~121°C (no deformation after opening the cap and autoclaving)



2. Excellent Low Protein Binding

- ✦ The tube body with hydrophilic surface is made from special high-purity polypropylene to effectively reduce protein binding and ensure the maximum recovery rate of protein samples
- ✦ There is no coating on the surface of tube walls (such as silicification), which can reduce the protein binding and also the interference to the samples
- ✦ More than 90% recovery rate can be achieved for all kinds of proteins



3. Ingenious Design

- ✦ The lid lock design effectively avoids accidental opening of the lid, minimizes sample evaporation loss and ensures operational safety
- ✦ Smooth and transparent tube body with clear scales and frosted writing area is easy to record experiments



4. Rigorously Tested for Performance

- ✦ The product has stable performance and has passing through 18 tests for sealing, cap folding resistance, centrifugal force, solvent resistance, extractable test
- ✦ Max. centrifugal force RCF 25,000 xg for 1.5mL, 2mL;
Max. centrifugal force RCF 30,000 xg for 0.5mL
- ✦ Irradiation sterilization and non sterilization options, irradiation sterilization SAL 10⁻⁶
- ✦ DNase/RNase free, pyrogen free, human DNA free, PCR inhibitor free



5. Optimized product packaging

- ✦ Resealable bag packing (quantity : 50 per bag) can reduce the risk of contamination



Special Tips

1. This product is not recommended for long-term sample storage for samples containing benzene, benzyl alcohol, or chloroform solvents.
2. Re-autoclaving of sterilized low protein binding microcentrifuge tubes may result in yellowing of the materials but does not affect the usage for the products.
3. The package can be removed and opened for autoclaving sterilization for one time. Repeated autoclaving sterilization is not recommended.

Lo-Protein™ Microcentrifuge Tube

Description

Low protein binding, Locking Lid, Conical bottom, Sterile or Non-sterile

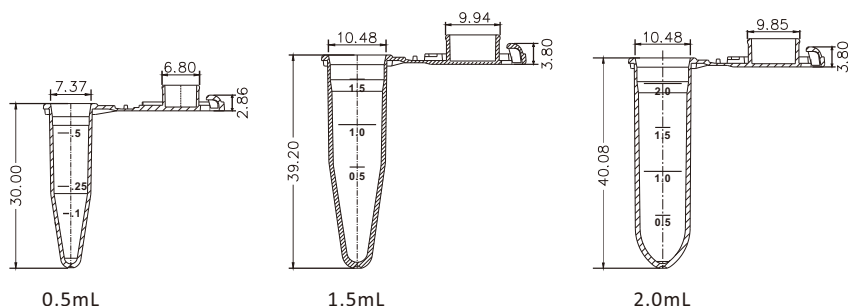
Purpose

Use for sample storage, operation and centrifugation

Materials

Tube: PP (Polypropylene) Color: Natural

Dimensions (Unit: mm)



Features

- Temperature range: -80°C~121°C (no deformation after autoclaving with open lid)
- Special materials can effectively reduce the nonspecific binding of protein/nucleic acid to the tube surface
- No surface coating (e.g., silicification) on the tube wall can reduce sample binding and interference to samples
- Samples of different proteins and nucleic acids can be ensured to the maximum recovery, with a recovery rate over 90%
- Lid lock prevents accidental opening of cap and evaporation of samples during long-term storage, and ensures operating safety
- Smooth and transparent tube body with clear scales and frosted writing area is easy to record experiments
- DNase/RNase free, pyrogen free, human DNA free, PCR inhibitor free
- Sterilized by irradiation SAL 10⁻⁶ (ISO11137)
- Shelf Life: 3 years after month of production
- Manufactured in a class 100,000 clean room environment
- Manufactured under ISO13485 and ISO9001 quality management system

Lo-Protein™ Microcentrifuge Tube

Cat. No.	Capacity	Max. RCF	Bottom Style	Graduation	Sterilization	Packaging Configuration
CFT800005	0.5 mL	30,000 x g	Conical	Yes	No	50/bag, 2 bags/box, 400/case
CFT801005	0.5 mL	30,000 x g	Conical	Yes	Yes	50/bag, 2 bags/box, 400/case
CFT800015	1.5 mL	25,000 x g	Conical	Yes	No	50/bag, 2 bags/box, 400/case
CFT801015	1.5 mL	25,000 x g	Conical	Yes	Yes	50/bag, 2 bags/box, 400/case
CFT800020	2.0 mL	25,000 x g	Conical	Yes	No	50/bag, 2 bags/box, 400/case
CFT801020	2.0 mL	25,000 x g	Conical	Yes	Yes	50/bag, 2 bags/box, 400/case