# INVESTING IN THE SAFETY OF YOUR LAB

With total-system design in mind from the start, Beckman Coulter designs our ultracentrifuge Labware to complement our Optima Series ultracentrifuges, optimizing performance, ease of use, and safety.

- Beckman designs the rotors in a way that the tube/bottle is supported correctly to minimize high stress areas that may cause premature failure
- Compare theoretical models vs actual results
  - During the rotor design phase, sophisticated simulation software allows engineers to remove problem areas
  - Then physical rotors, loaded with consumables, go through MCA (Maximum Credible Accident) tests to verify that the simulation results were correct and everything is contained
    - The results are part of the certification process for the CSA and CE marks.
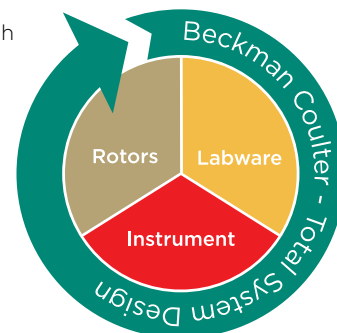
Therefore, using Beckman Coulter consumables with Beckman Coulter rotors is necessary.

Consumables to match your workflow

SEALING

OptiSeal Tubes

Employ patented technology to provide a fast, reliable seal every time. Seal with a finger-touch and without tools, heat, or closure verification. Wide necks offer effortless filling and fraction collection

Quick-Seal tubes

Provide secondary BioSafe* containment. Seal with a simple, hand-held sealing tool without plugs or orings. Available in both round and konical bottom.

OPEN TOP

Open Top Tubes

Allow centrifuging in fixed-angle and swinging-bucket rotors. Available in multiple materials as well as thinwall and thickwall options.

BOTTLES

Bottle Assemblies

With both two and three-piece caps, bottles are reusable and ensure containment while centrifuging large volume samples

SPECIALTY

Stainless steel tubes

Can be used with toluene and other organic solvents, crucial for many nanoparticle applications

Cellulose Propionate

Are transparent and designed for one-time use. These tubes have good tolerance to all gradient media including alkalines.

1.5mL Snap-Caps

*Biosafe is a term intended to describe enhanced biocontainment features of our products.

Brilliance at Every Turn