

Partners in Process Development



gently recover sensitive biologic materials using solid-bowl decanters

Contact our application engineers for project development support inquiries at 413.499.4818 or email us at sales@rr-centrifuge.com!

CLIENT CHALLENGE

- **High Solids Loading.** With improvements in the productivity of biologic process materials, among the most difficult aspects for processors is the ability to achieve clarification with high solids loading applications (greater than 20% concentration by volume).
- **Shear and Cell Rupture.** Maintaining high viability of the cellular products is a key performance indicator for biologics processors. Poor clarification due to cell rupture is a process disruption typically indicating that the feed path is imparting undesirable shear forces on the cells.



Centrifugal Decanter Model DRC30Vx

ROUSSELET-ROBATEL SOLUTION

For specialized biologic materials derived from various host cells, decanting centrifuges may be applied to various unit operations including whole cell recovery, clarification after cell lysis, and isolation/purification. The Rousselet-Robatel range of solid-bowl decanter centrifuges ensure a low friction feed and gentle harvest of the collected pellet, even with feed concentrations exceeding 20%. As sequential washing and concentration steps continue to refine the purity of the collected pellet, the systems can operate continuously in a sealed environment with automatic discharge by a timer or by turbidity indications.

PAYOFF

- **Compatible.** Solid-bowl decanters are used in biotech processes derived from various host cells including mammalian, bacterial, fungal, etc.
- **Adaptable.** Modular, skid-mounted systems may be integrated into existing or new biologics facilities.
- **Proven.** Demonstrated over a long history, the equipment is fabricated according to cGMP regulations and international CE standards.

Rousselet-Robatel provides comprehensive application engineering, mechanical design and system build out, and field service support to ensure optimum equipment performance and process compliance.



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