

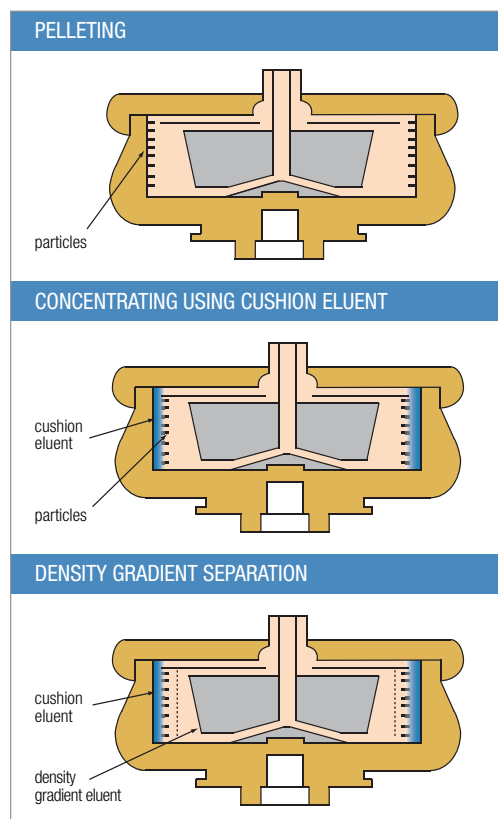
The Thermo Scientific TCF-32 continuous flow rotor system enables scale-up of standard ultracentrifuge techniques to process development quantities. Integrated with the Thermo Scientific Sorvall WX Ultracentrifuge Series, the TCF-32 rotor system is ideal for concentration of samples on a cushion eluent, density gradient separations and routine pelleting.

Thermo Scientific TCF-32 Continuous Flow Rotor System

Large volume purification of viruses and proteins

- Large volume sample processing in a single run
- Easy installation and simple operation
- Automatic safety shut-down
- Two cores (430 mL or 940 mL) to select for desired sediment capacity
- Fully compatible with Sorvall® WX Ultracentrifuge Series

Three Separation Methods



Exceptional Performance

The Thermo Scientific TCF-32 rotor together with the Sorvall WX Ultracentrifuge Series supports single-spin separations of large volume samples at very high RCF. Combining a top speed of 32,000 rpm (102,000 xg) with a maximum flow rate of 9 L/hr and a selection of two sediment capacities, the TCF-32 rotor system provides flexibility for viral separations, particle isolations and vaccine production.

Simplified Operation

Featuring a unique design, the TCF-32 rotor system includes an autoclavable titanium rotor body, sealing attachment and lubricating unit. This integrated design of the rotor and sealing attachment permits easy installation and safe, straightforward operation.

Applications

Uses of the TCF-32 rotor system include isolating low s-value particles such as lipoproteins and viruses. Viruses that have been successfully isolated using the TCF-32 system include:

- Rabies Virus
- Influenza Virus
- HIV
- HVJ (Sendai virus)
- NDV
- HBLB Virus
- RSV
- MULV
- MoMLV
- AKRMLV
- ASV
- CDV

Specifications

Max Speed	32,000 rpm
Max RCF	102,000
xg	
Sediment Capacity	
Standard Core	430 mL
Accessory Core	940 mL
Max Flow Rate	9 L/hr ¹
K Factor	
Standard Core	35
Accessory Core	106
Sample pH Range	4 – 10
Rotor Life	2000 runs or 5000 hrs
Warranty	5 years

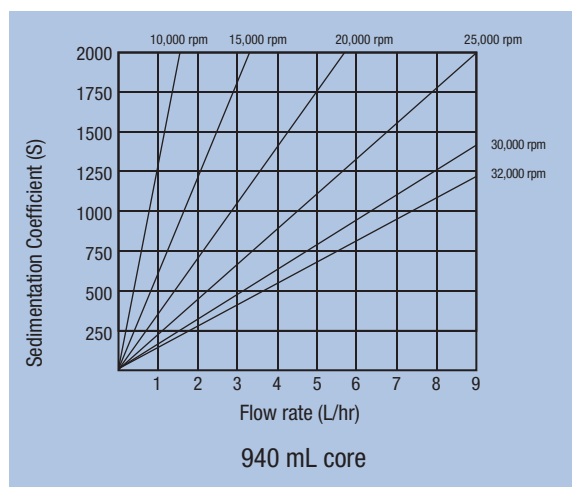
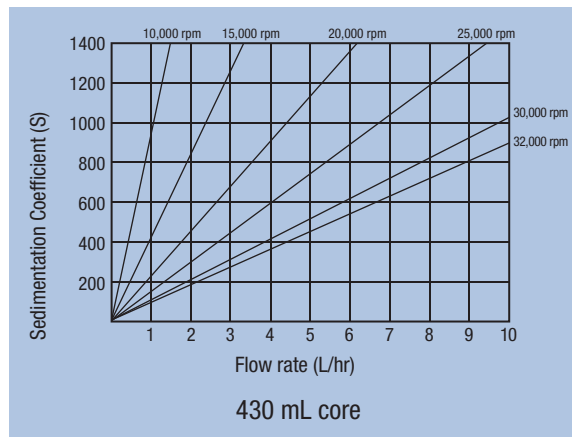
¹ Actual throughput is dependent on characteristics of starting material and required degree of separation

Ordering Table

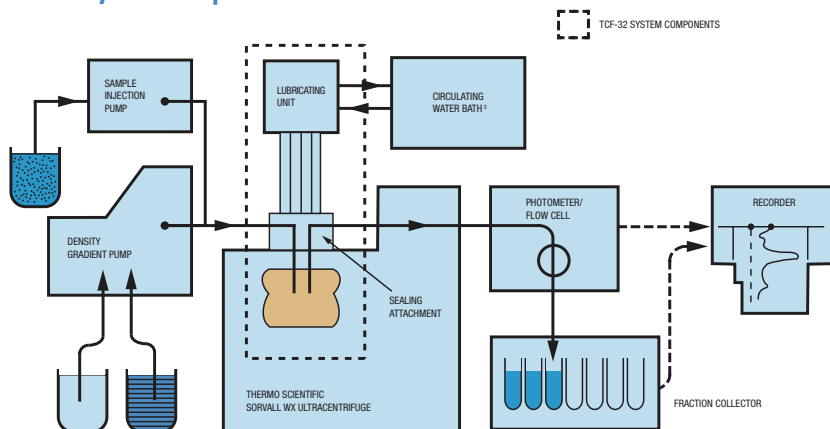
Cat. No.	Description
45820	TCF-32 Rotor System, including rotor, door modification kit, lubricating unit and sealing attachment assembly ²
45835	430 mL Core
45830	940 mL Core

² Core is required for operation. Must be purchased separately.

TCF-32 Separation Characteristics



TCF-32 System Components



³ Circulating water bath is required for operation. Must be purchased separately.