

Beckman Coulter F301.5 Fixed-Angle Rotor



Beckman Coulter F301.5 Fixed-Angle Rotor for Microfuge 22R

Rating: Not Rated Yet

Price

Sales price \$600.00

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Manufacturer [Beckman Coulter](#)

Description

F301.5 Fixed-Angle Rotor is For Use in the Beckman Coulter Microfuge 22R Only.

Specifications -

Maximum speed	14,000 rpm
Density rating at maximum speed	1.2 g/mL
Critical speed range(a)	600 to 800 rpm
Relative Centrifugal Field(b)at maximum speed at rmax (100 min)	21,920 ? g
k factor at maximum speed	519
Maximum imbalance of opposing loads	6 grams
Number of tube cavities	30
Nominal tube dimensions	11 x 45 mm
Nominal tube capacity (largest tube)	2.2 mL
Nominal rotor capacity	66 mL
Approximate acceleration time to maximum speed (fully loaded)	40 sec
Approximate deceleration time from maximum speed (fully loaded)	38 sec

Centrifuge Rotors: Beckman Coulter F301.5 Fixed-Angle Rotor

Weight of fully loaded rotor 1.67 kg (3.68 lb)

Rotor and lid material. aluminum

- a. The critical speed range is the range of speeds over which the rotor shifts so as to rotate about its center of mass. Passing through the critical speed range is characterized by some vibration.

- b. Relative Centrifugal Field (RCF) is the ratio of the centrifugal acceleration at a specified radius and speed ($r\omega^2$) to the standard acceleration of gravity (g) according to the following formula: $RCF = r\omega^2/g$ — where r is the radius in millimeters, ω is the angular velocity in radians per second ($2\pi \text{ RPM} / 60$), and g is the standard acceleration of gravity (9807 mm/s^2). After substitution: $RCF = 1.12r (\text{RPM}/1000)^2$

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