

RELATIVE CENTRIFUGAL FORCE

Radius
(in cm)

Speed
(in RPM)

Relative Centrifugal Force

The relative centrifugal force (G-Force) can be estimated using the chart on this page or by applying the following formula:

$$g = 11.18 \times r \times \left(\frac{n}{1000}\right)^2$$

where: r = radius in centimeters
n = speed in RPM

The radius from the center of the rotation axis to the bottom or outermost portion of the test tube should be used. RCF is expressed relative to the force of the earth's gravity.

