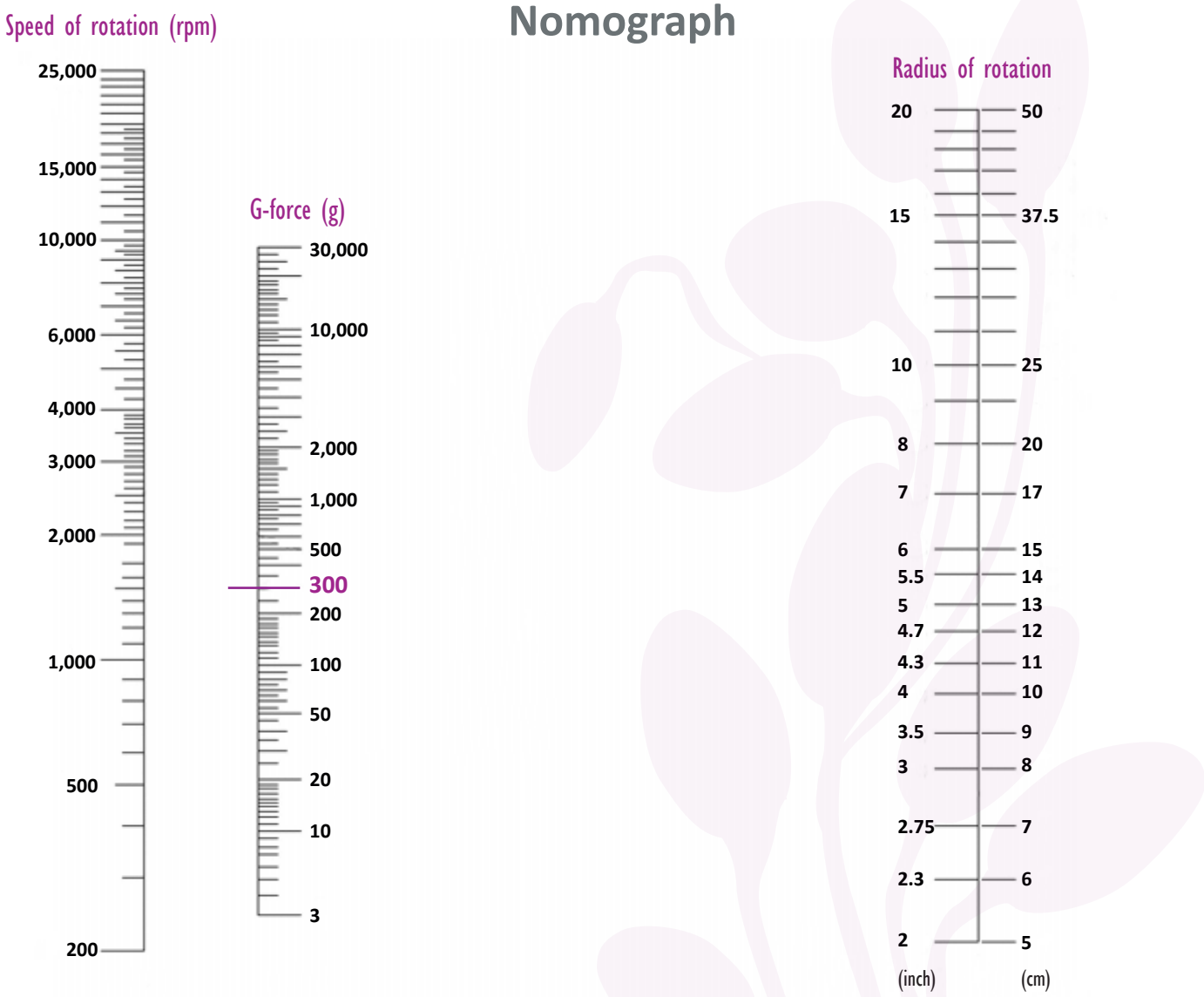
Nidacon

Nomograph



Calculate the correct RPM

to achieve the correct g force

Using the RCF Nomograph

To Calculate the correct RPM to achieve the correct g force, place a straightedge on the nomograph connecting the known Radius of rotation (cm) and the desired G-force (g). The point at which the straightedge intersects the Speed of rotation (rpm) axis is the rpm.

For example, if the rotating radius is 14 cm and the G-force (g) is, **300g** (Nidacon protocol), the relative centrifugal force is 1383 rpm.

Using the formula

$Rpm = \sqrt{[(g/(1.118 \times r)]} \times 10^3$

g = the centrifugal force
r = rotational radius, the distance from the centre of the rotor to the bottom of a centrifuge tube in the bucket when raised to horizontal position
G Force /RPM calculator
http://drycake.com/calculator/gforce.php

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