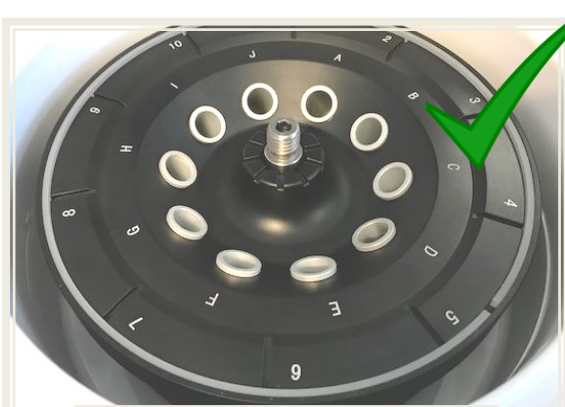


# How To Balance Your Centrifuge

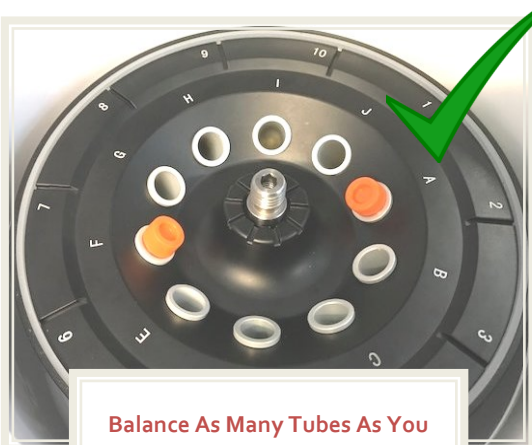
This quick guide shows you the do's and don'ts of balancing your centrifuge. If centrifuges are not balanced correctly then the damage caused can be **expensive** and **dangerous**. Spinning at up to 10,000 RPM, imagine a helicopter trying to take-off with a brick on one of the blades!!! The helicopter shaft will bend, break and then crash!!! The same principle applies to your centrifuge. **Unbalanced Tubes Will Bend The Motor Shaft.**



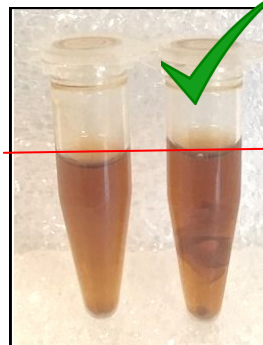
All Tube Holders Must Be In Place!



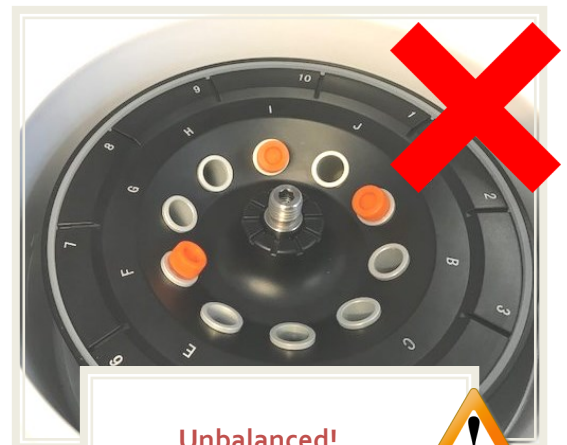
Never Run The Centrifuge With Missing Tube Holders!



Balance As Many Tubes As You Wish—Opposite Each Other



Microcentrifuge Tubes



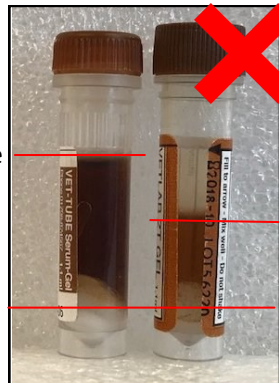
Unbalanced!

**About The Tubes...**The Same TYPE of tube must be used at all times. For example, if your sample is in a GEL tube, then the balancing tube must also be in a GEL tube. If your tube is NON-GEL, then the balancing tube must also be NON-GEL. Balancing is about the combined WEIGHT of the tube and sample. A GEL tube will add weight even if the liquid fill is the same. **IMPORTANT - your centrifuge must be placed on a level, stable surface.**



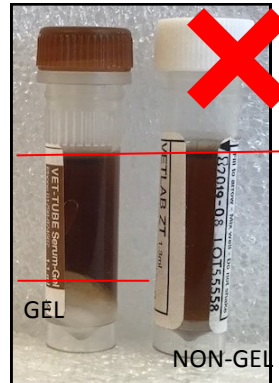
Fill Line

GEL



Fill Line

GEL



Fill Line

GEL

NON-GEL

## REMEMBER

### BLOOD TUBES

GEL, with GEL

NON-GEL, with NON-GEL

### MICROHAEMATOCRIT TUBES (PCV'S)

Capillary Tubes do not need to be balanced.

For further help or information please contact us...

Vetlab Supplies Ltd, Tel: 01798 874567

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