

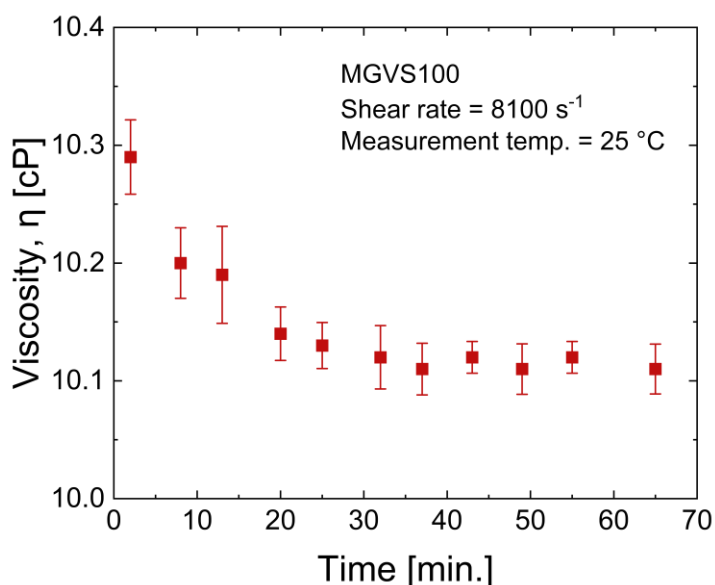


RheoSense
Simply Precise®

**Allow medical grade viscosity standard (MGVS)
to equilibrate temperature for 30 minutes
before measuring the viscosity**

Medical grade viscosity standard (MGVS) is a high-precision fluid with a certified, known viscosity at a specific temperature. It is used for the calibration of viscometers and rheometers, which is critical for any medical or pharmaceutical application where viscosity is a key parameter. To ensure that your MGVS standard remains stable and provides consistent viscosity readings week after week, do the following:

- Store MGVS in the fridge. This will inhibit microbial growth and degradation.
- Gently mix the MGVS by inverting the sealed bottle 5 times.
- When measuring MGVS, first remove its bottle from the fridge and leave it unopened at room temperature for at least 30 minutes. This ensures more consistent viscosity readings. See plot below.



The plot above shows the MGVS100 viscosity measured with the microVISC PRO equipped with the B05 chip. This MGVS100 is from a bottle that was recently removed from the fridge. Each data point (avg. of 7 repeats, error bar size is the standard deviation) corresponds to an aliquot taken from the bottle after x minutes since the bottle was removed from the fridge ($4 \text{ }^{\circ}\text{C}$). The bottle was gently mixed before each test. The viscosity reading is not consistent until after 30 minutes.

These results demonstrate that one should wait at least 30 minutes to equilibrate the MGVS bottle temperature before opening it and measuring the viscosity.

