honeybun







Let it flow

Honeybun is the only rapid viscosity system that pours out data as fast as you can handle it. Whether you've got one sample or ten, Honeybun sips microliters of each sample through a microfluidic channel to get a read on viscosities from 0.5–150 cP in minutes – with zero sample prep or clean-up. Ditch old school, one-at-a-time techniques that use too much sample and level up to the quickest, low-volume viscosity measurements out there.

10 at a time

35 µL per sample

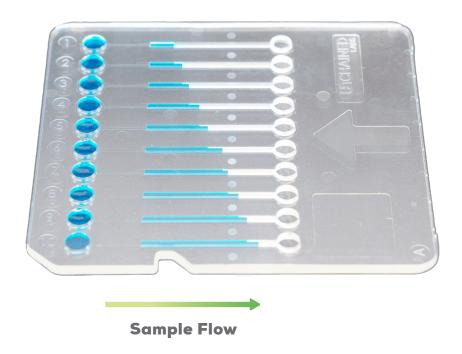
1 minute runs (≤10 cP)

Up to **150** cP



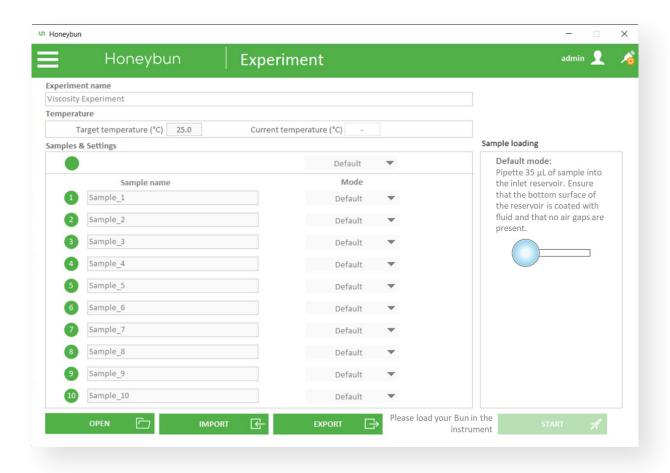
Grab your bun

Load up to 10 samples into a Bun consumable, insert and hit go – nothing to it. Honeybun then applies pressure to push the samples through the Bun's microfluidic channels. While you watch them flow on live video, the software tracks how fast samples move through each channel to get you their viscosity. Gone are the days of filling syringes or cleaning expensive chips that are prone to clogging – these Buns are disposable.



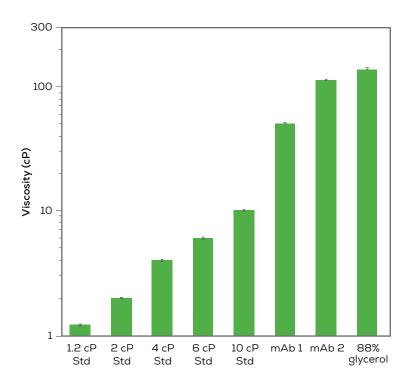
Short and sweet

Fill in all the details about your samples if that's your jam or take the fast track – Honeybun's software will auto-fill everything so you can just start your run. Three clicks get you through experimental setup and right to collecting data.



Satisfy your craving

When you roll with Honeybun, you'll finally be stuffed full of all the sweet viscosity data that you need. Honeybun's speed and throughput make it easier than ever to gather viscosity any time you make a change in your protein, concentration or formulation.

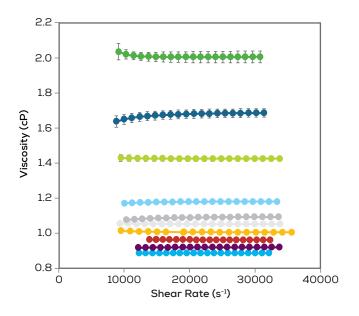


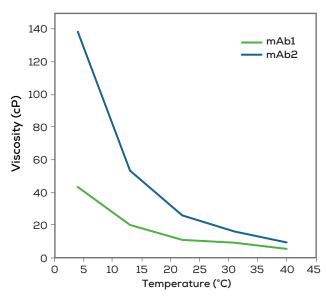
Know your flow

Every experiment includes a sweep of shear rates in each channel so you can compare how each and every sample is flowing – Newtonian or not.

Tasty at any temp

Control temp from 4 °C up to 45 °C so you'll always know how your sample behaves – straight out of the fridge, at room temp, or in the heat of manufacturing.





Specifications

| Instrument | Specification |
|---|---|
| Physical | Dimensions: 46 cm W x 45 cm D x 43 cm H; 28 kg |
| Computer | Separate computer with Windows 11 included |
| Electrical | Input voltage: 110–230 V AC 50–60 Hz Max power: 500 W |
| Nitrogen or compressed air requirements | Pressure: 6-10 bar (87-145 PSI) Flow rate: ≥10 L/min Gas type: Nitrogen or ISO 8573-1:2010 [7:4:4] compressed air |
| Detection method | Camera: CMOS Resolution: 1920x1080 |
| Approval | CE, FCC |
| Application | |
| Sample types | Antibodies and other proteins, vaccines, viral vectors and injectables |
| Sample temperature range | 4-45 °C |
| Temperature control accuracy | ±0.5 °C |
| Viscosity range | 0.5-150 cP |
| Viscosity accuracy | <3% |
| Viscosity precision | <3% |
| Consumable | |
| Bun material | Cyclic olefin copolymer |
| Samples per Bun | 10 |
| Recommended sample volume | 35 μL (default mode) or 15 μL (low volume mode) |
| Measurement total time | ≤1 min (≤10 cP) |





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