SAMPLE SIZE CALCULATION GUIDE

SMALLER SAMPLE TEST SIZE - MORE RETURN ON INVESTMENT







AUTOMATIC VISCOMETER/ RHEOMETER

THE WORKHORSE FOR VISCOSITY FINGERPRINTING

 $VROC^{\otimes}$ initium one plus is the leading automatic viscometer that measures true viscosity with the highest accuracy and repeatability. Its superior resolution is revolutionizing characterization of Newtonian and non-Newtonian samples

Flow rate or shear rate vs. sample volume

Retrieved Vol (μ L) = Loaded volume (μ L) - 12

Chip Type	K1, μL	K2, (min/µL/s)
A05	2	19.05
B05	2	19.05
C05	2	19.05
E02	3.8	119.05

Volume in vial, μL	Loaded volume, µL	
26	17 ~ 20	
35	21 ~ 25	
50	35 ~ 41	
90	65 ~70	

Flow rate (μ L/min) = 40 * (Retrieved Vol (μ L) - K1)

Shear rate (1/s) = K2 * Flow rate (µL/min)