

Variability of MegaQuant™ D-Fructose plus D-Glucose Assay Within and Between Days

Assays performed four times on each of four days

Sample	D-Fructose plus D-Glucose (g/L)				Between Days	Overall
	Mean ± SD				Mean ± SD	Mean ± SD
	(Between replicates CV %)				(CV %)	(CV %)
	Day 1	Day 2	Day 3	Day 4		
White wine 20. JT34 CHA	0.766 ± 0.011 (1.5%)	0.760 ± 0.011 (1.5%)	0.766 ± 0.011 (1.5%)	0.775 ± 0.012 (1.5%)	0.767 ± 0.011 (1.5%)	0.767 ± 0.012 (1.5%)
White wine 21. JT35 CHA	0.902 ± 0.011 (1.3%)	0.893* ± 0.015 (1.7%)	0.911 ± 0.000 (0.0%)	0.902 ± 0.011 (1.3%)	0.902 ± 0.011 (1.2%)	0.902 ± 0.012 (1.3%)
Red wine 9. T155 RVSHI-8	0.571 ± 0.006 (1.0%)	0.571 ± 0.006 (1.0%)	0.571 ± 0.006 (1.0%)	0.571 ± 0.011 (2.0%)	0.571 ± 0.008 (1.3%)	0.571 ± 0.007 (1.2%)
Red wine 16. T809 RVTEM	0.509 ± 0.010 (1.9%)	0.506 ± 0.006 (1.2%)	0.506 ± 0.011 (2.2%)	0.506 ± 0.006 (1.1%)	0.506 ± 0.009 (1.7%)	0.506 ± 0.008 (1.5%)
D-Fructose Standard 0.50 mg/mL	0.499 ± 0.000 (mg/mL) (0.0%)	0.501 ± 0.006 (mg/mL) (1.2%)	0.505 ± 0.007 (mg/mL) (1.3%)	0.505 ± 0.007 (mg/mL) (1.2%)	0.502 ± 0.006 (mg/mL) (1.1%)	0.502 ± 0.006 (mg/mL) (1.1%)

There were some significant differences in glucose-fructose values between days:-
White wine 21 Day 2* results were significantly less than Day 3 (p < 0.05)

Values for wine samples are as g/L. The D-fructose standard values (in red) are expressed as mg/mL.