



How to use the VDK+ Test Strip Kit

White Paper

WHAT ARE THE VDK+ TEST STRIPS?

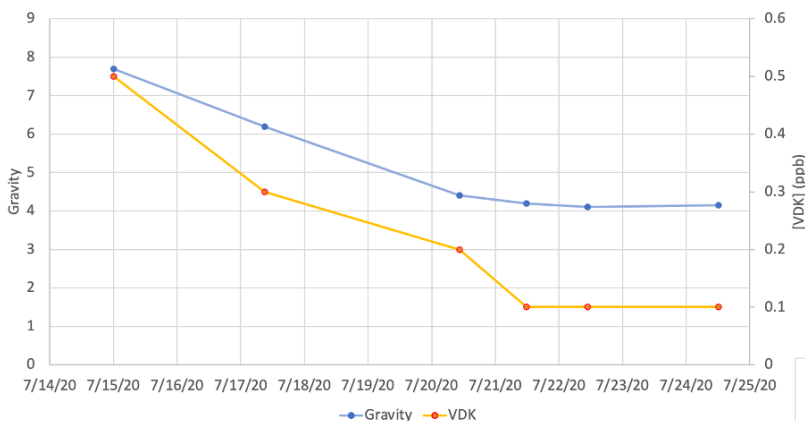
Beyers Chemical VDK+ Test Strips were created by brewing chemists so that professional brewers had an analytical tool for monitoring VDK concentrations quickly and accurately without expensive instrumentation.



WHAT THE VDK+ TEST STRIPS CAN BE USED FOR

The VDK Test Strips can be used to build fermentation curves along side gravity measurements (graph A). This will allow brewers to profile their yeast strains and make more informed decisions when it comes time to crash the fermentation. Once the yeast strains are characterized, brewers can then start to use the strips as a "Go" or "No Go" test, verifying that their fermentation no longer has VDK present (Graph B).

Gravity and VDK for Oktoberfest Lager



← Graph A

This graph shows a characterization of a yeast strain. The graph shows both VDK and gravity. This fermentation curve shows that for this yeast strain the brewer can end their fermentation closer to day 8, rather than waiting for their fermentation to hit terminal gravity on day 11.

Graph B →

This graph shows a fermentation that was stopped immediately upon reaching terminal gravity. The Brewer was able to end their fermentation because the VDK levels were below threshold.

Gravity and VDK Curves for Pale Ale

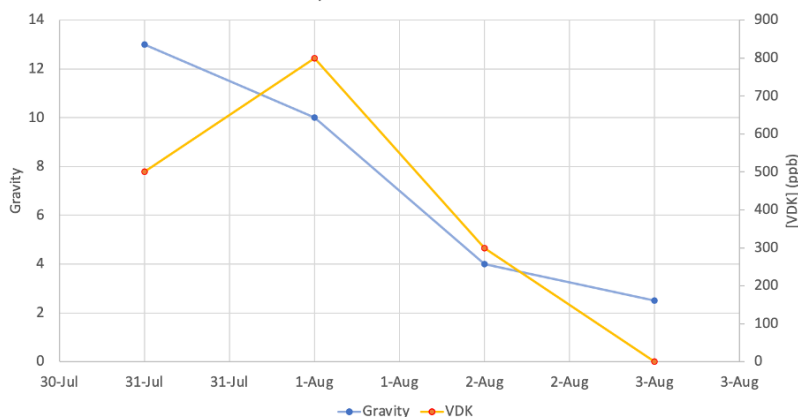


TABLE 1: EXAMPLE GO AND NO-GO MEASUREMENTS

Style	Peak VDK (ppb)	Ending VDK (ppb)	ΔT (days)
Cream Ale	900	<100	3 days
Pilsner	300	<100	3 days
Session Pilsner	500	<100	7 days
Stout	400	<100	7 days
Double IPA	600	250	13 days
Pale Ale	800	<100	4 days
Oktoberfest	500	<100	9 days

Measurements for several different styles of beer and yeast strains were collected using the Beyers Chemical VDK+ Test Strips. VDK curves were generated for each style and "Peak" and "Ending" values were obtained. Charts like this can help provide information useful for performing "Go or No-Go" measurements.

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