



BARRELWISE

Rodney Strong Wine Estates streamlines free SO₂ management workflow with the BarrelWise FS1 System

Sonoma County, CA USA

CUSTOMER STORIES

FS1 System for Free SO₂ Analysis



“

BarrelWise FS1 is helping Rodney Strong Wine Estates to streamline routine workflows in the cellar. This technology enables us to conduct barrel-by-barrel analysis, which helps to maximize the quality of our wine. ”

OLIVIA WRIGHT - WINEMAKER

“

The FS1 empowers my team in the cellar to work efficiently without waiting for lab results, while also providing improved quality controls. ”

MANUEL ROSAS - BARREL MASTER

Barrel aging with superior visibility

As one of California's most respected wine companies, Rodney Strong Wine Estates (RSWE) has long been committed to consistently creating high-quality wines.

When presented with the BarrelWise FS1, RSWE saw an opportunity to bring its practices of barrel aging quality control to another level, while saving valuable lab and cellar resources.



HIGHLY EFFICIENT WORKFLOW

The FS1 enabled RSWE to improve their barrel program and create a more labor-efficient and precise process. RSWE can now measure free SO₂ at-barrel in less time, with data instantly available and linked to barrels in a cloud-connected database.



INCREASED QUALITY CONTROL

The FS1 tremendously increased the number of free SO₂ measurements possible at RSWE. The team has used this newly-gained analysis capacity to recreate their quality control program, including keeping an eye on every single barrel in premium lots.



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Rodney Strong Wine Estates (RSWE)

streamlines free SO₂ management workflow with the BarrelWise FS1 System

 **5x FSO₂ readings**
with no additional lab resources

RSWE has extensively utilized the FS1 to measure free SO₂, generating over 1,600 measurements in high-volume months and over 170 measurements during peak days. This was not possible with their previous lab capacity. With this clear advantage, the FS1 System is now the primary instrument for free SO₂ analysis at RSWE.

 **6300+ barrels**
monitored on a monthly average

The winemaking team has used the insights provided by the FS1 to make decisions for over 6,000 barrels per month, on average and close to 8,000 barrels on a peak month.


 **100% of barrels**
measured in top-tier lots


RSWE has been using the fast and accurate analysis of the FS1 to measure EVERY barrel in their top-tier wine lots. Close monitoring of barrels at an individual level reduces risk in these premium lots, maximizing the return on the extra investment in top-quality fruit and barrels.


 **Reduced need**
for manual data entry

All data is automatically recorded in a cloud database, linked to specific barrels, and available for winemakers instantly at the time of measurement. This saves time significantly, reduces room for errors and allows the winemakers to make timely decisions.

MADE POSSIBLE

 **SINGLE-OPERATOR TASK**
The FS1 de-bottlenecks workflow at RSWE by enabling a single worker to access the barrel, measure and act on the result.

 **POST-ADDITION CHECKS**
A well-designed process of checking free SO₂ after additions ensures the additions hit the desired target.


 **PROACTIVE RISK CONTROL**
Increased process transparency has enabled RSWE to minimize the risk of potential problems that lead to barrel downgrades.

NO LONGER NEEDED

 **TRIP TO THE LAB**
~ 15 mins / trip

 **LAB TEST**
~ 15 mins / sample

 **WAIT TIMES**
For lab data

 **SAMPLE PREPARATION**
No composite sample required

Numbers were collected in October 2022