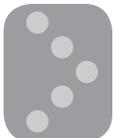


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# Multi-Parameter Systems for Wine Analysis Laboratories

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MANTECH offers multi-parameter analysis solutions that automate 1 to 197 samples in a single batch! Simply:

- 1. Place samples in load position**
- 2. Select parameters**
- 3. Click on Start**

Wine Analysis Laboratories are routinely required to analyze for pH, total acidity (TA), volatile acidity (VA), free and total SO<sub>2</sub>, reducing sugars and more. These different tests require different electrodes, titrant and sample preparation, however, the same wine sample requires most or all of these tests. In most laboratories, you will find different stations devoted to each test. With the TitraSip SA, the chemist simply places the wine sample in the load position, clicks start, and the TitraSip SA completes the following tests, unattended, from a single sample:

- pH
- TA
- Free SO<sub>2</sub>
- Total SO<sub>2</sub>
- Other such as FI, Na, Cl etc.

More parameters may be analyzed, but as VA and reducing sugars require heating, these must be separate samples. Once the TitraSip SA has completed all the analyses selected, all results for the sample are in a single report and the TitraSip SA notifies the chemist that it is ready for the next sample. It truly is that simple.

## Key Features and Benefits:

1. Only one system required to analyze multiple parameters.
2. Measure only the required parameters per sample.
3. Automatically drain an analyzed sample to waste, then rinse the analysis vessel, electrodes, thermistor and probes.
4. Multiple results for the sample exported and printed in a single column which is easy to read and evaluate.
5. Create multiple sample batches easily and the TitraSip SA prompts the chemist when it is ready for the next sample.
6. Add the SmartCal™ System for pre-scheduled, unattended daily calibrations
7. Capable of upgrading and adding an autosampler and/or additional parameters.
8. Automates entire reducing sugar method including sample preparation, heating, covering and uncovering.



## *Multi-Parameter Systems for Wine analysis Laboratories*

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Imagine, taking a sample from a barrel/bottle, placing it in the load position and getting a snap-shot of the pH, TA, Free SO<sub>2</sub> and Total SO<sub>2</sub> with no extra work! Nothing could be more convenient. The TitraSip SA easily analyzes red wine, white wine and must.

MANTECH understands that investment capital must be justified, that is why you will find the TitraSip SA comparatively priced to competitor autotitrators that only offer titration and manual pipetting. The TitraSip SA offers more automation, better precision and trusted accuracy. In terms of multiparameter analysis, wineries will find there is no equal to MANTECH's TitraSip SA system. Choose the parameters your lab requires and a system is configured specifically for you... It's truly the perfect fit. As needs arise, additional parameters and automation may be added. For large wineries, the MANTECH TitraSip SA may be upgraded to add an autosampler for true multiparameter analysis over many samples. It has the capability to run unattended, over night for up to 197 samples, 5 parameters each.

Government Agencies, Viticulture Institutes and Wineries have all invested in MANTECH solutions. Be assured, once you invest in the TitraSip SA, results will be quicker, accurate, more precise and the lab will run more efficiently.

**For additional information or specific wine application notes,  
please visit [www.mantech-inc.com](http://www.mantech-inc.com) or e mail us:  
[info@mantech-inc.com](mailto:info@mantech-inc.com)**



**TitraSip System with AutoMax73**  
73x50ml tubes, common applications:  
pH, TA, Total and Free sulfite.



[www.mantech-inc.com](http://www.mantech-inc.com)

### *Contact Us*

MANTECH  
5473 Highway 6 North  
Guelph, Ontario  
N1H 6J2

Phone: 1.519.763.4245  
Email: [info@mantech-inc.com](mailto:info@mantech-inc.com)