



Wine

Viniflora™ Sparta™

Flexibility, reliability and efficiency
from malolactic fermentation

powered by
novonesis



Ensure full control of malolactic fermentation with Viniflora™ Sparta™

With tolerance of up to 16% alcohol, pH as low as 3.0, up to 45 mg/l T-SO₂, and low malic acid concentration/level **Sparta™** is the best choice for the demands of modern winemaking.

The flexible frozen format also allows the culture to be stored at -18 °C for up to three months*. No need for a special freezer.

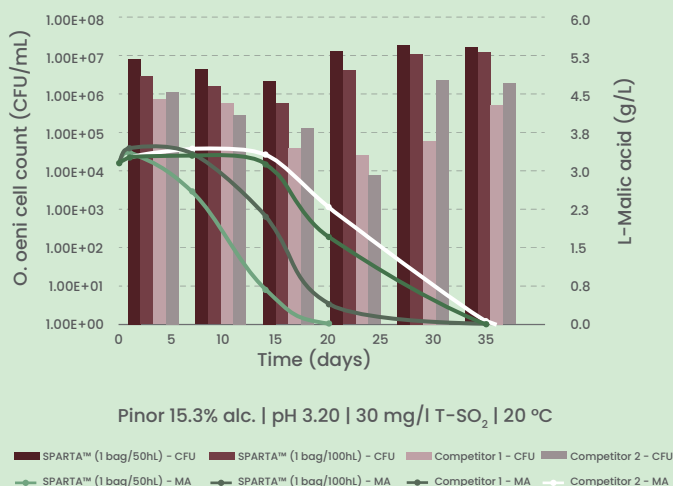
*Can still be stored in a -45°C freezer for up to 2 years, consistent with other frozen Viniflora™ bacteria products.

Flexible dosage

Wines will vary on how demanding they will be on ML bacteria. For easier conditions, such as early co-inoculation or wines with less extraction, a lower dose gives ample live cells. Difficult wines, or when a fast MLF is needed, require more.

See further details in the table below.

Due to superior adaptation Viniflora™ Sparta™ gives rapid implantation and fast MLF compared to competitor cultures



Different wines require different dosages of bacteria

Recommended dosage based on wine conditions

Wine conditions	Dosage	pH	T-SO ₂ (mg/L)	Alc. %	Malic acid conc.	Poly-phenols (IPT)
Easy	1 bag per 200hL	> 3.5	< 10	< 13 %	> 2g/L	< 60
Moderate	1 bag per 150hL	3.3 – 3.5	10 – 30	13 – 14 %	1.5 – 2.0g/L	< 60
Challenging	1 bag per 100hL	3.1 – 3.3	30 – 40	14 – 15 %	1.0 – 1.5g/L	> 60
Difficult	1 bag per 50hL	< 3.1	> 40	> 15 %	> 1g/L	> 60

Based on sequential MLF. For early co-inoculation use 1 bag per 150–200hL

Interested in Viniflora™ Sparta™ for your wine production?

Talk to the Biocult team for technical information and application support.

@ office@biocult.ro

☎ 0722 390 904

The information provided herein is for general information purposes only. All information is provided in good faith. There is no warranty being extended and no liability whatsoever (including without limitation, any direct or indirect damages for lost profits or business interruption) is accepted as to its accuracy, completeness, correctness, non-infringement, merchantability, or fitness for a particular purpose. The product(s) may be covered by pending or issued patents, registered or unregistered trademarks, or similar intellectual property rights. Copyright ©Novonosis Group, by ownership license. All rights reserved.