



GO-FERM[®] PROTECT EVOLUTION



YEAST PROTECTOR FOR REHYDRATION STEP



NATSTEP[™] (NATURAL STEROL Protection): yeast protection is used during the yeast rehydration step to reinforce the yeast membrane and help protect against osmotic shock.

NATSTEP[™] yeast protection also improves the yeast's alcohol tolerance, allowing a more predictable fermentation finish without sensory problems.

NATSTEP[™] is patented (Europe 1395649, Australia 2002317228).



Description

GO-FERM[®] **PROTECT evolution** is a new generation of 100% natural yeast protector for white and rosé wines.

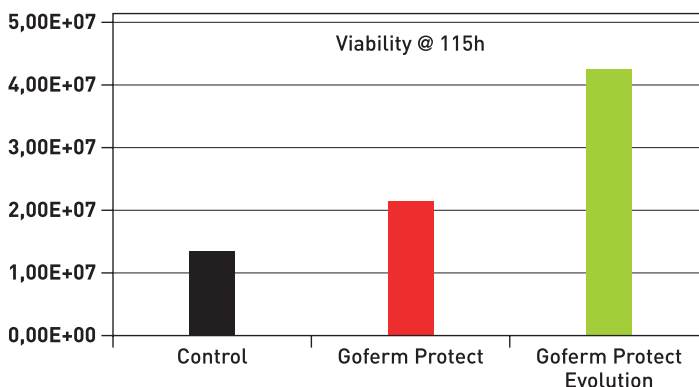
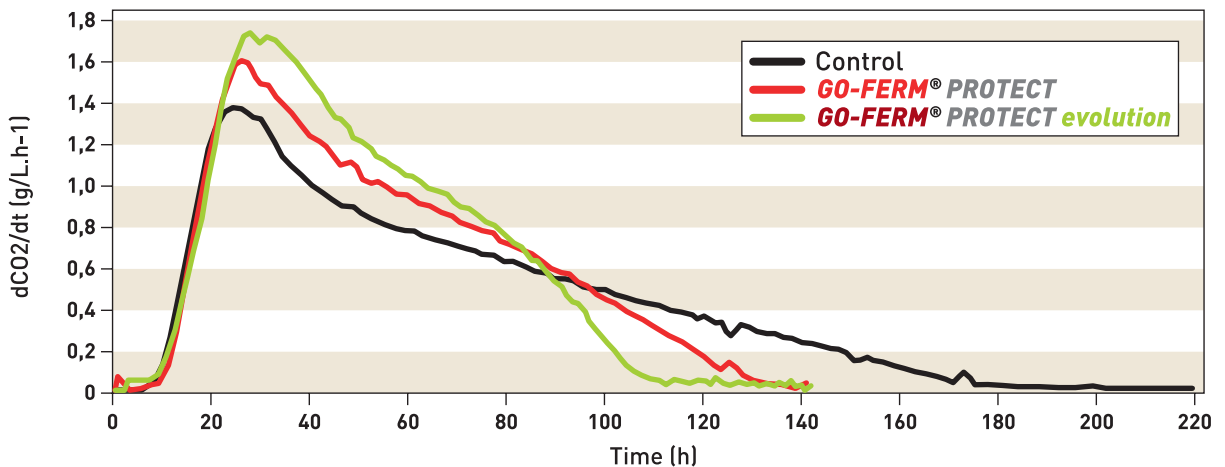
GO-FERM[®] **PROTECT evolution** has been developed thanks to an improvement of sterol sources (quantity and quality) completed by micronutrients yeast sources.

GO-FERM[®] **PROTECT evolution**:

- Increases yeast vitality and viability thanks to ergosterols and yeast vitamins sources.
- Improves yeast ethanol tolerance. Enhancement of fermentation security (yeast Mg sources).
- Allows fermentation kinetic compared to O₂ addition. Oxygen addition can be avoided in white and rose winemaking, and replaced by **GO-FERM**[®] **PROTECT evolution** maintaining an optimized yeast activity during fermentation.
- Thanks to higher sterols concentration in yeast membrane, **GO-FERM**[®] **PROTECT evolution** improves yeast aroma precursors assimilation, allowing a better aromatic compounds release.

Application and results

CHART 1 **GO-FERM**[®] **PROTECT evolution** impacts on fermentation kinetic: QA23 (25g/hL) with yeast protector addition (30g/hL) during rehydration in high clarified synthetic must.

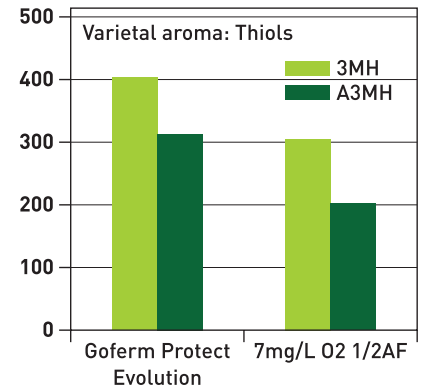
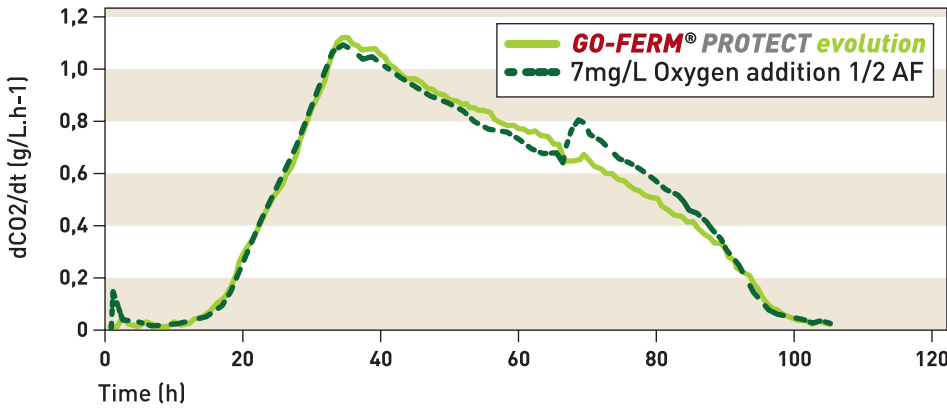




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CHART 2 GO-FERM[®] PROTECT evolution vs O₂ addition: Colombard, 20°C, Lalvin R2:25g/hL, Goferm Protect Evolution: 30g/hL at the rehydration.



GO-FERM[®] PROTECT evolution impacts the thiols yeast production: it allows an easier and optimized intracellular flux including amino acids transport through permeases: thiols precursors benefit of these better assimilation inside the cell.

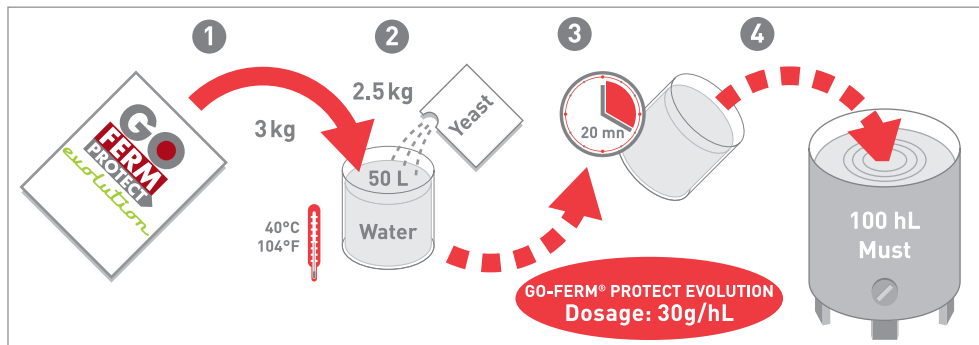
Dosage and instructions for use

Add GO-FERM[®] PROTECT evolution directly to the rehydration water for your selected yeast.

Recommended dosage: 30 g/hL.

Maximal dosage authorized in EEC: 40g/hL.

GO-FERM[®] PROTECT evolution can be used with all oenological yeast strains for white and rosé winemaking.



Packaging and storage

GO-FERM[®] PROTECT evolution is a powder available in 10kg cartons (10x1kg), 1kg packages.

When stored at 20°C or lower temperature in sealed packs, GO-FERM[®] PROTECT evolution maintains its effectiveness for at least 3 years. Avoid moisture and high temperature exposure.

The information herein is true and accurate to the best of our knowledge; however, this data sheet is not to be considered as a guarantee, expressed or implied, or as a condition of sale of this product.

Distributor

