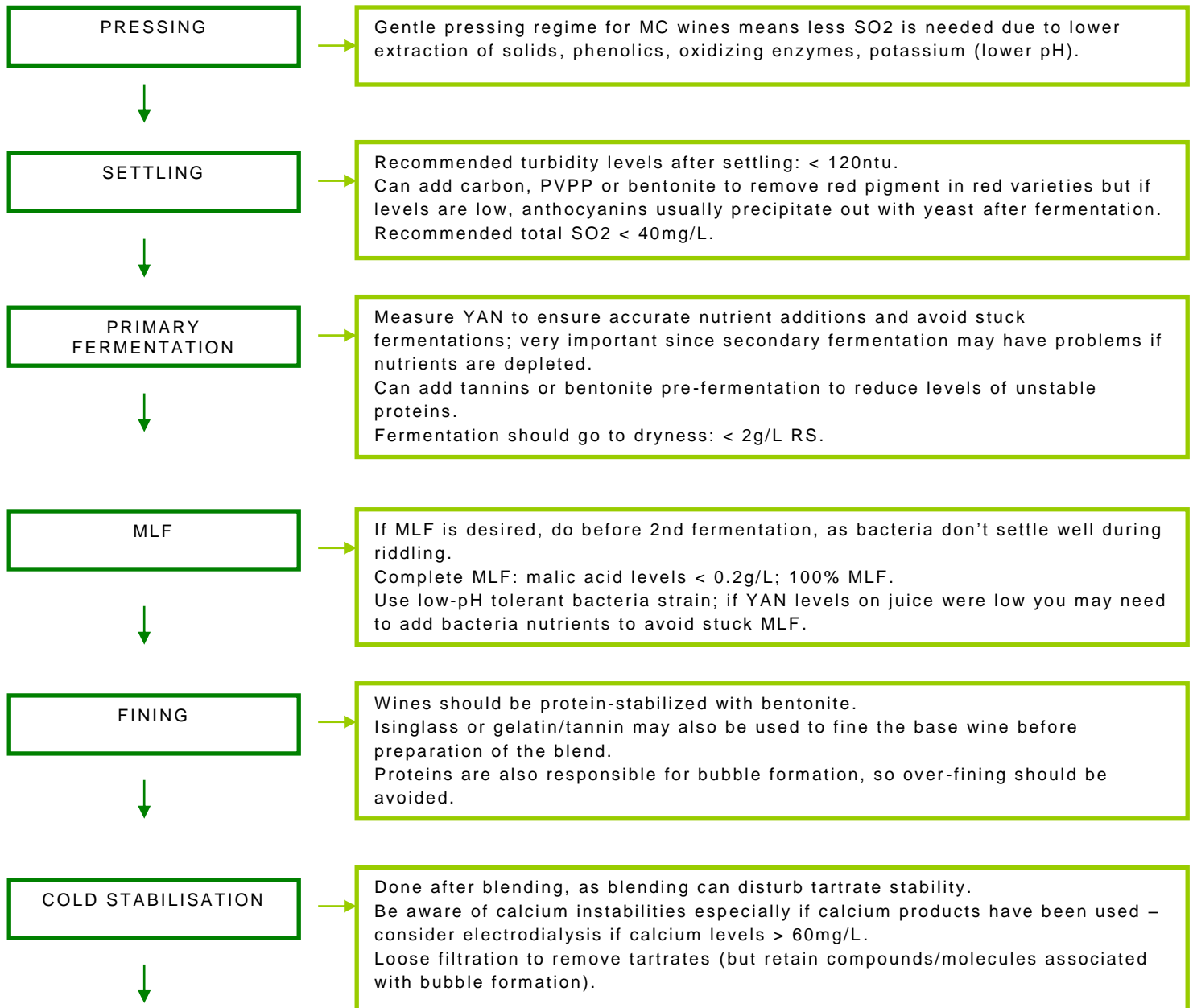


## SHORT NOTES ON THE ANALYSIS OF MC-STYLE WINES



VinLAB (Pty) Ltd

Tel +27 21 882 8866/7 – Fax +27 21 882 8868 – email lab@vinlab.com – www.vinlab.com  
P.O.Box 532, Stellenbosch, 7599, South Africa

## SUGAR ADDITION



Alcohol of base wine %*	RS g/L needed to produce pressure at:		
	5.0 bar	5.5 bar	6.0 bar
9	19	21	23
10	20	22	24
11	21	23	25
12	22	24	26

\*CO<sub>2</sub> is more soluble at higher alcohol levels

26g/L sugar will yield approximately 1% alcohol.

## YEAST ADDITION



Yeast culture viability:  $1-1.5 \times 10^8$  cells / ml to give yeast population in base wine of  $1-1.5 \times 10^6$  cells / ml (at addition rate of 1ml culture / 100ml base wine). Higher yeast populations ferment faster but leave a yeasty flavour; lower populations may result in incomplete fermentations. Rehydrate yeast with care to get highest viability. Yeast nutrition is important to avoid stuck fermentations in the bottle.

## SECONDARY FERMENTATION



## BOTTLING

Isinglass, bentonite, tannin or aliginat may also be added at bottling to assist with the settling of the yeast during riddling.

## RIDDLING AND DISGORGEMENT



## DOSAGE

A 600-750g/L sugar solution is used to adjust the sugar concentration to between 10g/L (brut) to 40g/L (demi-sec). Dosage may also contain brandy (up to 5%), ascorbic acid (up to 100mg/L), citric acid (up to 0.5g/L), copper (up to 0.5mg/L) and metatartaric acid (up to 100mg/L). SO<sub>2</sub> up to 20mg/L may also be added – lower SO<sub>2</sub> levels are needed in sparkling wine due to lower pH, presence of CO<sub>2</sub> and lower levels of oxidisable compounds. Bottles need to be physically mixed as the dosage has a higher SG and will settle if not mixed.



## CORKING

TCA analysis is recommended on a sample set of corks before bottling because MC wines have a lower sensory threshold for TCA (<2ng/L) due to the presence of CO<sub>2</sub> in the wine.



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