Strain 4F9 was selected and validated by the IFV (French Vine and Wine Institute) in the Loire Valley (Muscadet - France).

**WINEMAKING**

Fermivin® 4F9 produces a wine with very intense, mainly exotic fruit aromas. Fermivin 4F9 releases large quantities of polysaccharides. It is suitable for producing white wines with tropical fruit (guava, passion fruit) and floral aromas.

**SCIENCE & TECHNOLOGY**

Fermivin 4F9 is an excellent yeast. Its specific action is to release and convert thiols into acetate derivatives (3MHA). It is suitable for producing white wines with tropical fruit (guava, passion fruit) and floral aromas.

**TASTING NOTES**

Intense, stable guava and passion fruit aromas in wine produced from grape varieties containing thiol precursors. Ester and terpene fermentation aromas in wine produced from Chardonnay style wines. Well-balanced and round on the palate after ageing on lees.

**OENOLOGICAL PROPERTIES**

- **SO₂ production**: < 10 mg/l
- **Glycerol production**: 5 – 7 g/l
- **Volatile acid production**: < 0.24 g/l
- **Acetaldehyde production**: < 25 mg/l
- **H₂S production**: Low
- **Killer factor**: Killer

**METABOLIC CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Metabolite</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>4MMP</td>
<td>1210 ng/l</td>
</tr>
<tr>
<td>3MHA</td>
<td>590 ng/l</td>
</tr>
<tr>
<td>4AHP</td>
<td>230 ng/l</td>
</tr>
<tr>
<td>3MHA</td>
<td>130 ng/l</td>
</tr>
</tbody>
</table>

**HISTORY & DEVELOPMENT**

Strain 4F9 was selected and validated by the IFV (French Vine and Wine Institute) in the Loire Valley (Muscadet - France).

**DOSE & PACKAGING**

Fermivin 4F9 contains more than 10 billion active dry yeast cells per gram. Recommended dose: 20 g/hl. Packaging: 500 g vacuum-sealed packets. Must be stored in its sealed, original packaging in a cool (5-15 °C / 41-59 °F) dry place.

Fermivin 4F9 In-Line Ready: Recommended dose: 30 g/hl. Packaging: 10 kg vacuum-sealed packets.

Diligent care has been taken to ensure that the information provided here is accurate. Since the user’s specific conditions of use and application are beyond our control, we give no warranty and make no representation regarding the results which may be obtained by the user. The user is responsible for determining the suitability and legal status of the use intended for our products.