

BfW-Broth for Wild yeasts with Indicator

Version: 12/2019
M&S item number: 4056 (25x20ml)
Profile: Glass tubes
Color: Reddish
Storage: Dark and dry at 4 – 12 °C
Shelf life: 8 months

Description and application range

BfW-Broth with indicator used for enrichment, cultivation and detection of beer-spoiling wild yeasts for all kinds of samples during brewing process and for quality control of finished products.

The nutrient formulation of the broth especial promotes the growth of *Brettanomyces* yeasts. *Saccharomyces* culture yeasts are inhibited by Cycloheximide. The formulation also inhibits bacteria, *Lactobacilli* and other beer-spoiling bacteria by Chloroamphenicol.

The inserted indicator makes it easy to detect beer-spoiling yeasts through color changing from reddish to yellow. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd 1:2018 standard.

Final pH: **6.1 ± 0.2** at 25 °C

Microbiological quality control

Bacterial contamination

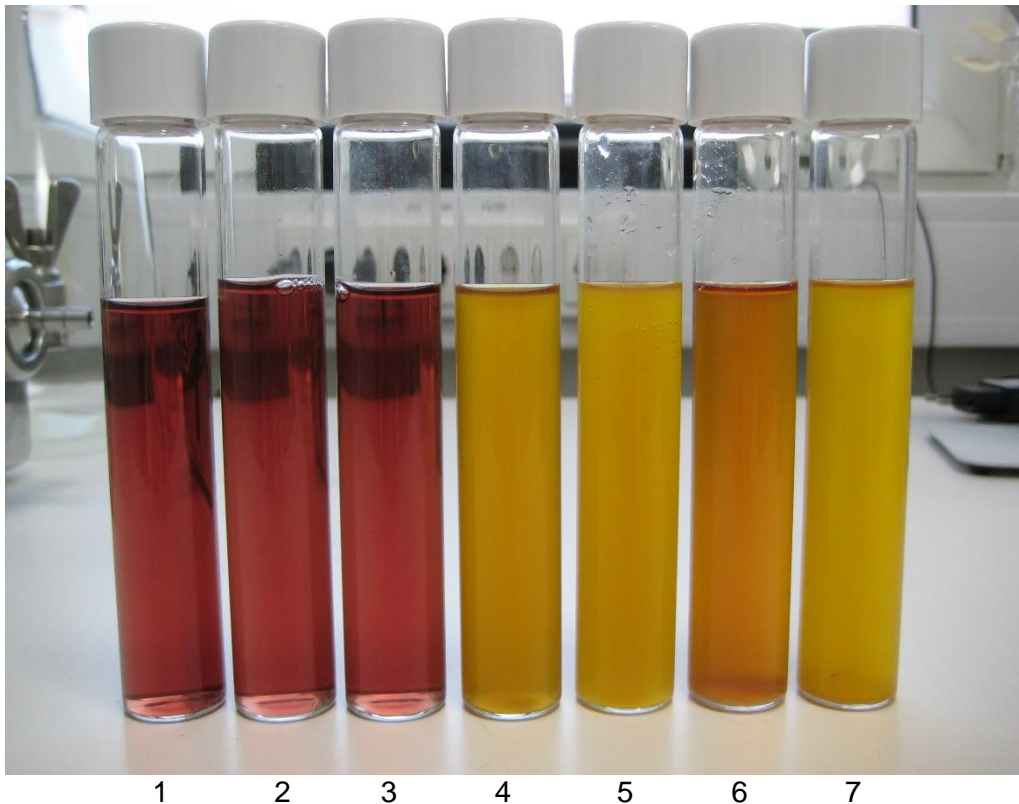
Incubation: aerobically at room temperature for 3 days, specification: no growth

Productivity qualitative analysis

Incubation: 1-7 days at 25 ± 1 °C, aerobically

Microorganism	Test strain	Specification	Appearance
<i>Lactobacillus sakei</i>	WDCM 00015	Inhibited	Full inhibited in 7 days
<i>Pediococcus damnosus</i>	DSM 20331	Inhibited	Full inhibited in 7 days
<i>Leuconostoc pseudomesenteroides</i>	DSM 20193	Inhibited	Full inhibited in 7 days
<i>Enterobacter cloacae</i>	WDCM 00083	Inhibited	Full inhibited in 7 days
<i>Escherichia coli</i>	WDCM 00179	Inhibited	Full inhibited in 7 days
<i>Candida albicans</i>	DSM 1386	Turbidity Color change	Turbidity and color change in 2 days
<i>Pseudomonas aeruginosa</i>	WDCM 00024	Partly inhibited	Turbidity, flower formation, color change to more red/violet in 7 days

<i>Zygosaccharomyces rouxii</i>	DSM 7525	None	No growth
<i>Schizosaccharomyces pombe</i>	DSM 70576	Growth possible	Turbidity, color change to dark yellow in 8-9 days
Wild yeast	Wild strain, isolated from young wine	Turbidity (2) Color change	Turbidity, color change to yellow in 1-2 days, foamy
<i>Saccharomyces cerevisiae</i>	WDCM 00058	Inhibited	Full inhibited in 7 days
<i>Saccharomyces cerevisiae</i>	DSM 70449	Inhibited	Full inhibited in 7 days
<i>S. cerevisiae</i> var. <i>diastaticus</i>	VLB	Inhibited	Full inhibited in 7 days
<i>Brettanomyces bruxellensis</i>	DSM 70001	Turbidity (2) Color change	Turbidity beginning on day 4, color changing to yellow on day 7



1. BfW broth control
2. BfW broth with 1 ml beer + *S. cerevisiae* WDCM 00058
3. BfW broth with 1 ml beer + *S. cerevisiae* DSM 70449
4. BfW broth with 1 ml beer + *Brettanomyces bruxellensis* DSM 70001
5. BfW broth with 1 ml beer + *Candida albicans* DSM 1386
6. BfW broth with 1 ml beer + *Schizosaccharomyces pombe* DSM 70576
7. BfW broth with 1 ml beer + Wild yeast from young wine