



BfW-Broth for Wild yeasts with Indicator

Version: 07/2022
M&S item number: 4056 (25x20ml)
Profile: Glass tubes with polycarbonate cap
Color: Reddish
Storage: Dark and dry at 4 – 12 °C
Shelf life: 8 months after production

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 added 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. 2:2020 standard.

Final pH: 6.1 ± 0.2 at 25 °C

Microbiological quality control

Bacterial contamination

Incubation: aerobically at room temperature for 7 days, specification: no growth

Productivity qualitative analysis

Incubation: 2-7 days at 27 ± 1 °C, aerobically

Microorganism	Test strain	Specification	Appearance
<i>Candida albicans</i>	DSM 1386	Turbidity, color change	Turbidity after 1 day and color change in 2-3 days
<i>Candida tropicalis</i>	DSM 70151	Turbidity, color change	Turbidity after 2-3 days and color change in 4-5 days
Wild yeast	Wild strain, isolated from young wine	Turbidity, color change	Turbidity, color change to yellow in 1-2 days, foamy
<i>Schizosaccharomyces pombe</i>	DSM 70576	Turbidity, color change	Turbidity, color change to orange in 8 days
<i>Brettanomyces bruxellensis</i>	DSM 70001	Turbidity, color change	Turbidity beginning on day 4, color changing to yellow in 6-7 days
<i>Lactobacillus sakei</i>	WDCM 00015	Inhibited	Fully inhibited
<i>Pediococcus damnosus</i>	DSM 20331	Inhibited	Fully inhibited
<i>Leuconostoc pseudomesenteroides</i>	DSM 20193	Inhibited	Fully inhibited



<i>Enterobacter cloacae</i>	WDCM 00083	Inhibited	Fully inhibited
<i>Escherichia coli</i>	WDCM 00179	Inhibited	Fully inhibited
<i>Zygosaccharomyces rouxii</i>	DSM 7525	No growth	No growth
<i>Saccharomyces cerevisiae</i>	WDCM 00058	Inhibited	Fully inhibited
<i>Saccharomyces cerevisiae</i>	DSM 70449	Inhibited	Fully inhibited
<i>S. cerevisiae var. diastaticus</i>	DSM 70487	Inhibited	Fully inhibited



1 2 3 4 5 6 7

1. BfW broth control (incubation 2 - 7 days at 27 °C)
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