Broth for Wild yeasts (BfW) with Indicator

Version:	12/2018
M&S item number:	4008 (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 DIN EN ISO 11133:2018 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
Lactobacillus sakei	WDCM 00015	Inhibited	Full inhibited in 7 days
Lactobacillus lactis	WDCM 00016	Inhibited	Full inhibited in 7 days
Pediococcus damnosus	DSM 20331	Inhibited	Full inhibited in 7 days
Pediococcus pentosaceus	DSM 20336	Inhibited	Full inhibited in 7 days
Leuconostoc pseudomesenteroides	DSM 20193	Inhibited	Full inhibited in 7 days
Pectinatus spp.	Wild strain, isolated from spoiled beer	Inhibited	Full inhibited in 7 days
Enterobacter cloacae	WDCM 00083	Inhibited	Full inhibited in 7 days

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Escherichia coli	WDCM 00179	Inhibited	Full inhibited in 7 days
Pseudomonas aeruginosa	WDCM 00024	Partly inhibited	Turbidity, flower formation, color change to more red/violet in 7 days
Zygosaccharomyces rouxii	DSM 7525	Inhibited	Full inhibited in 7 days
Schizosaccharomyces pombe	DSM 70576	Inhibited	Full inhibited in 7 days
Wild yeast	Wild strain, isolated from young wine	Turbidity (2) Color change	Turbidity, color change to yellow in 24h, foamy
Saccharomyces cerevisiae	WDCM 00058	Inhibited	Full inhibited in 7 days
Saccharomyces cerevisiae	DSM 70449	Inhibited	Full inhibited in 7 days
Brettanomyces bruxellensis	DSM 70001	Turbidity (2) Color change	Turbitity beginning on day 4, color changing to dark yellow on day 7

1 2 3 4 5 6 7 8

1. BfW broth with *S. cerevisiae* WDCM 00058
2. BfW broth with *S. cerevisiae* DSM 70449
3. BfW broth with Wild yeast from young wine
4. BfW broth with *Brettanomyces bruxellensis* DSM 70001
5. BfW broth with *Zygosaccharomyces rouxii* DSM 7525
6. BfW broth with *Schizosaccharomyces pombe* DSM 70576
7. BfW broth with Rhodotorula yellow
8. BfW broth with a rose wild yeast from berries