Dr. Möller & Schmelz GmbH
Corporation for Applied Microbiology

Wort-NPS

Version:	11/2022
M&S Item numbers:	1260 (50 / PK) und 1260-H (100 / PK)
Profile:	Dehydrated nutrient pad sets 50 mm in petri dishes, sterile
Color:	Beige
Storage:	Dark and dry at room temperature
Shelf life:	2 years after sterilization

Description and application range

Wort-NPS are used for the detection and colony count of yeast and molds in beer, wine, soft drinks and other beverages. The complex nutrient composition of wort and the additional carbon sources Maltose, Dextrin and Glycerol provide optimal growth conditions yeast and molds from beer, wine and beverages containing fruit juices or fruit components. The low pH supports their development and at the same time slightly inhibits the growth of accompanying bacteria. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd 2:2020 standard.

Typical composition

Enzymatic digest of casein	0.75 g/l
Maltose	12.75 g/l
Dextrin	2.75 g/l
Glycerol	2.35 g/l
Di-Potassiumhydrogenphosphate	1.0 g/l
Ammonium chloride	1.0 g/l
Wort (malt extract)	15.0 g/l

Final pH: 5.5 ± 0.2 at 25 °C

Microbiological quality control

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

Productivity quantitative analysis
Incubation: aerobically at 25 ± 1 °C for 48 ± 3 h, approx. inoculum: 50 – 120 CFU

Microorganism	Test strain	Specification	Appearance
Saccharomyces cerevisiae	WDCM 00058	$P_R \geq 0.7$	Beige colonies
Zygosaccharomyces rouxii	DSM 7525	$P_R \geq 0.7$	Beige colonies
Wild yeast from wine	Wild strain	$P_R \geq 0.7$	Beige colonies

P_R productivity rate (recovery rate)

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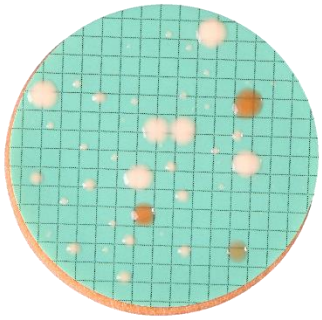

Mixed culture of *Saccharomyces cerevisiae, Zygosaccharomyces rouxii, Brettanomyces bruxellensis* and *Rhodotorula mucilaginosa* after 3 days at 30 °C

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