



OGY-NPS

Version: 11/2022
M&S Item numbers: 1115 (50 / PK) und 1115-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

OGY-NPS are used for detection of yeasts and molds in food and other samples. The formulation is acc. to D A Mossel et. al, Journal of applied bacteriology. Oxford, 33(3), 454-457 (1970). Yeast extract and dextrose provide nitrogen and carbon components. The addition of oxytetracycline inhibits the growth of bacteria. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd 2:2020 standard.

Typical composition

Yeast extract	5.0 g/l
Dextrose	10.0 g/l
Oxytetracycline	0.01 g/l

Final pH: 6.5 ± 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
<i>Saccharomyces cerevisiae</i>	DSM 70449	$P_R \geq 0.5$	Beige colonies
<i>Brettanomyces bruxellensis</i>	DSM 70001	$P_R \geq 0.5$	Beige colonies
<i>Zygosaccharomyces rouxii</i>	DSM 7525	$P_R \geq 0.5$	Beige colonies

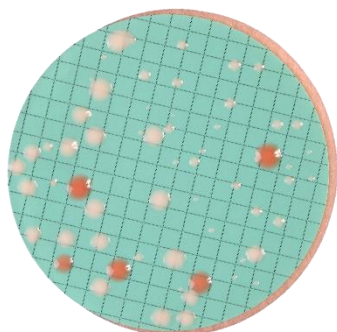
P_R productivity rate (recovery rate)



Selectivity qualitative analysis

Incubation: 48 ± 3 h at 25 ± 1 °C; approx. inoculum: 10.000 - 1.000.000 CFU

Microorganism	Test strain	Specification	Appearance
<i>Enterococcus faecalis</i>	WDCM 00009	Full inhibition	Fully inhibited
<i>Escherichia coli</i>	WDCM 00012	Full inhibition	Fully inhibited



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