

OGY-NPS

Version: 01/2020
M&S item numbers: 1115 (50 / PK) and 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 1:2018 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

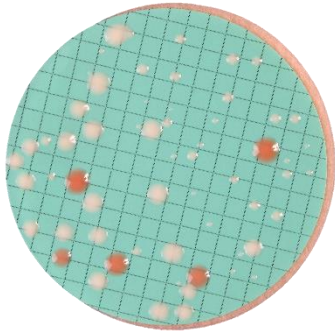
Bacterial contamination

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: 80 – 120 CFU

| Microorganism | Test strain | Specification | Appearance |
|-----------------------------------|-------------|----------------------|------------|
| <i>Saccharomyces cerevisiae</i> | DSM 70449 | P _R ≥ 0,7 | Beige |
| <i>Brettanomyces bruxellensis</i> | DSM 70001 | Growth | Beige |
| <i>Rhodotorula bacarum</i> | DSM 70854 | Growth | Red |



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