

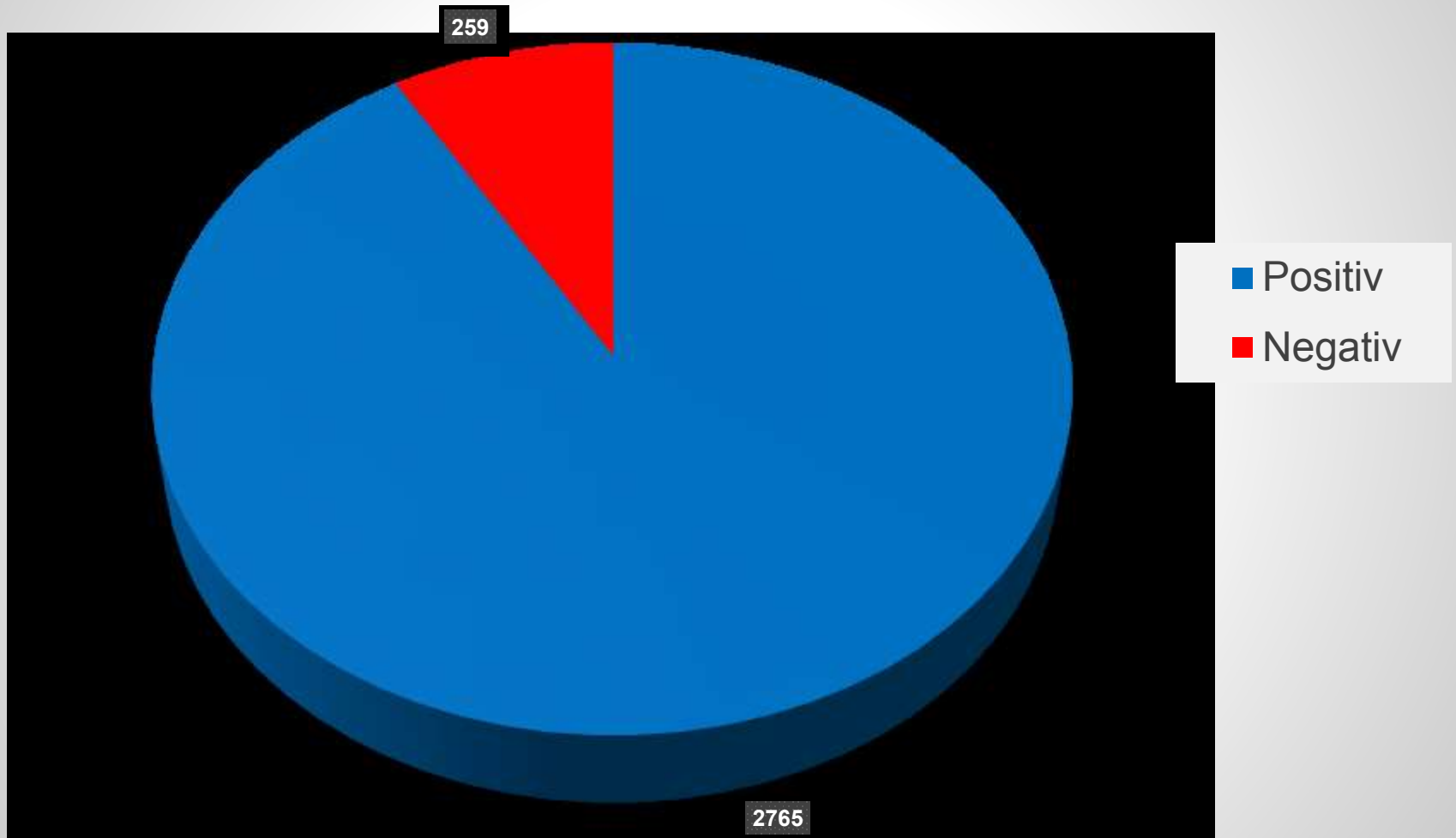


# **Mikrobiologische Verunreinigungen im Trinkwasser**

21.03.2018

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# Trinkwasser Mikrobiologische Proben 2017



A microscopic image showing a dense field of various microorganisms. The background is filled with numerous rod-shaped bacteria, some appearing as thin, light-colored filaments and others as thicker, more distinct rods. There are also several spherical particles, some of which appear to have a distinct outer shell or capsid, characteristic of viruses. The overall appearance is that of a complex microbial community.

**EHEC**

**Escherichia coli O104**

**Norovirus**

**Cryptosporidium**

**Giardia**

**Salmonella Enteritidis**

**Campylobacter jejuni**

**Salomonella Typhi**

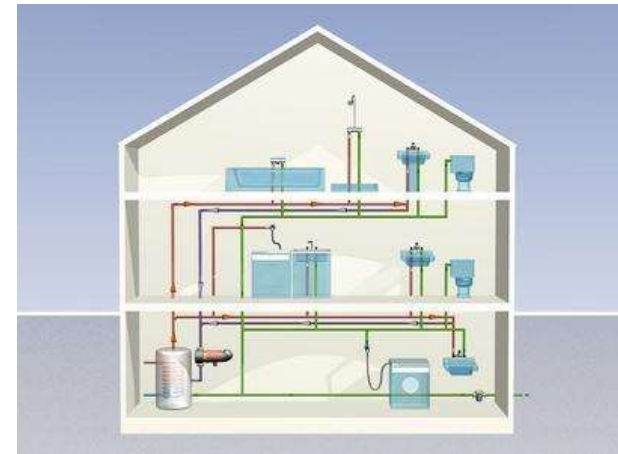
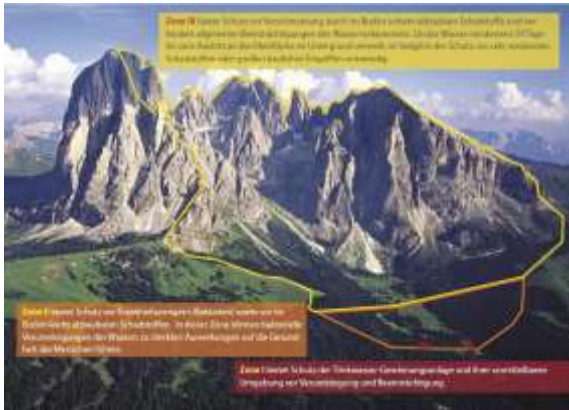
**Escherichia coli O157**

**Rotavirus**

**Hepatitis A**

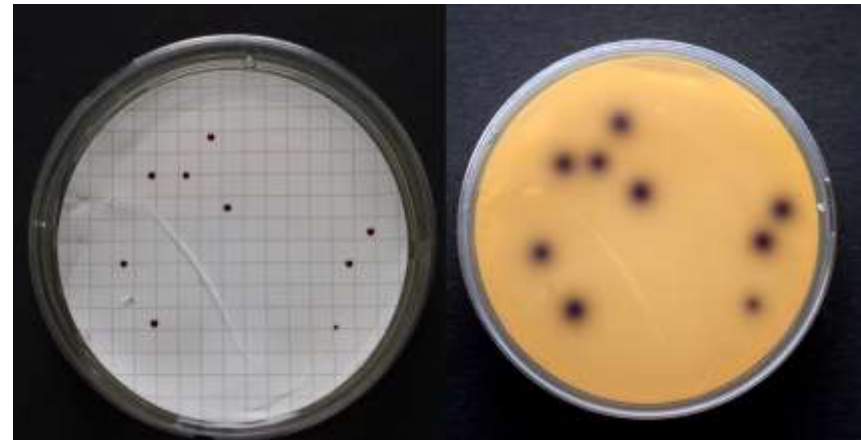
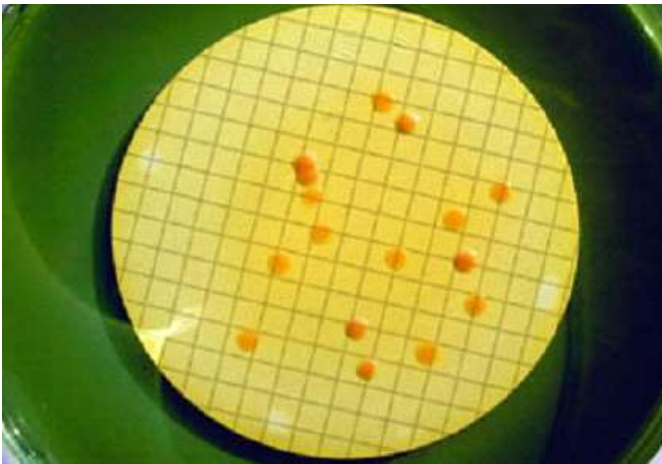
**Vibrio cholerae**

# Mikrobiologische Verunreinigung

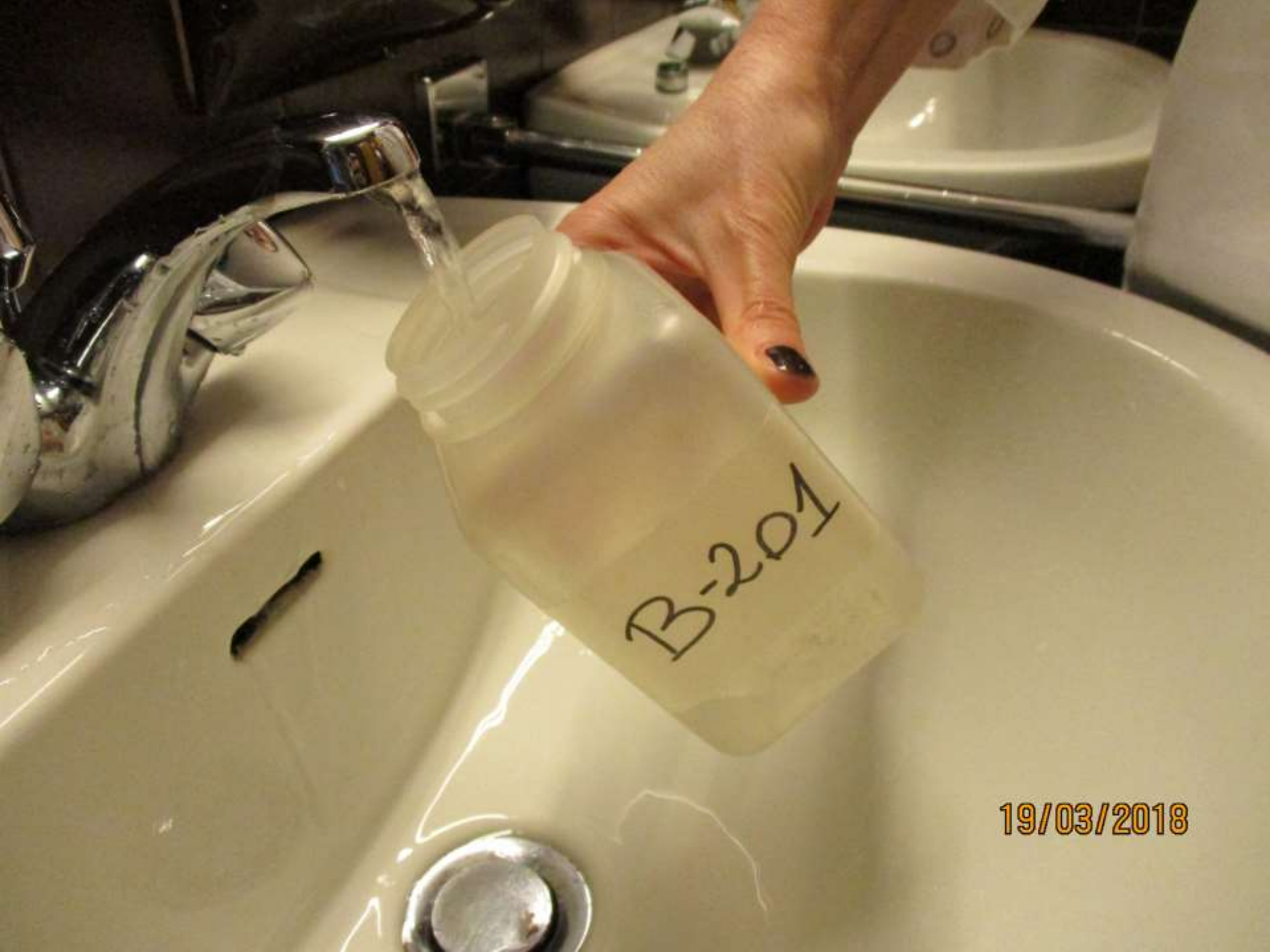


# Mikrobiologische Verunreinigung

Wie kann man diese nachweisen?



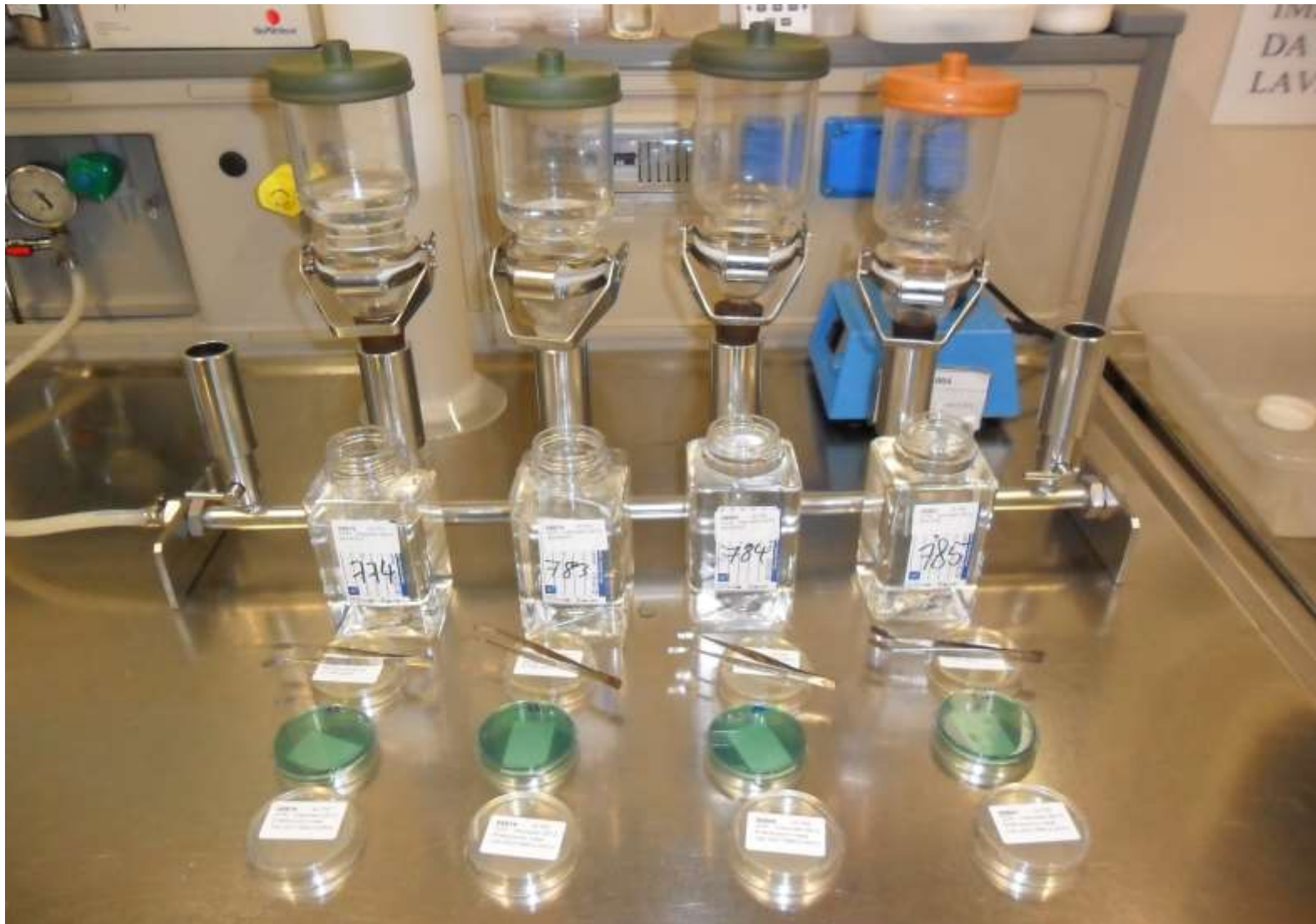
Analysen von fäkalen Indikatoren



B-201

19/03/2018

# Mikrobiologische Analysen



# Mikrobiologische Analysen





# Fäkale Verunreinigung

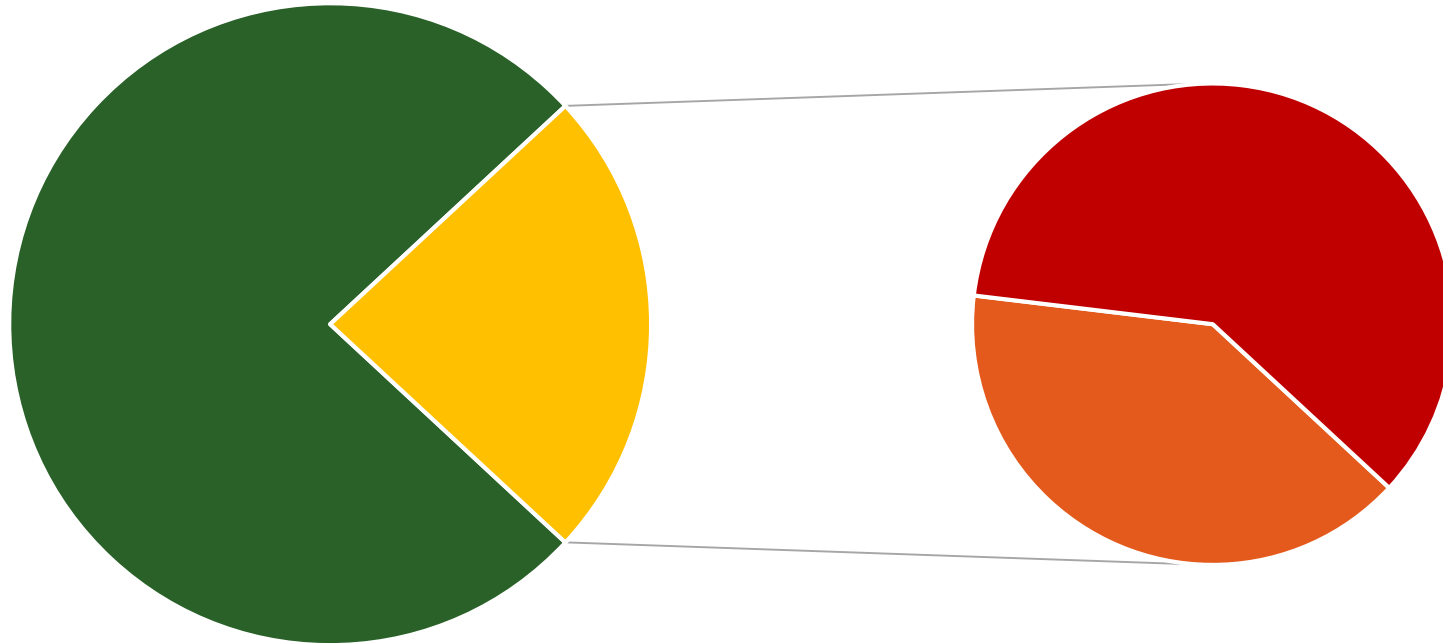
- Escherichia coli
- Intestinale Enterokokken

## Weitere Keime

- Coliforme Keime



# Coliforme Keime / fäkale Keime

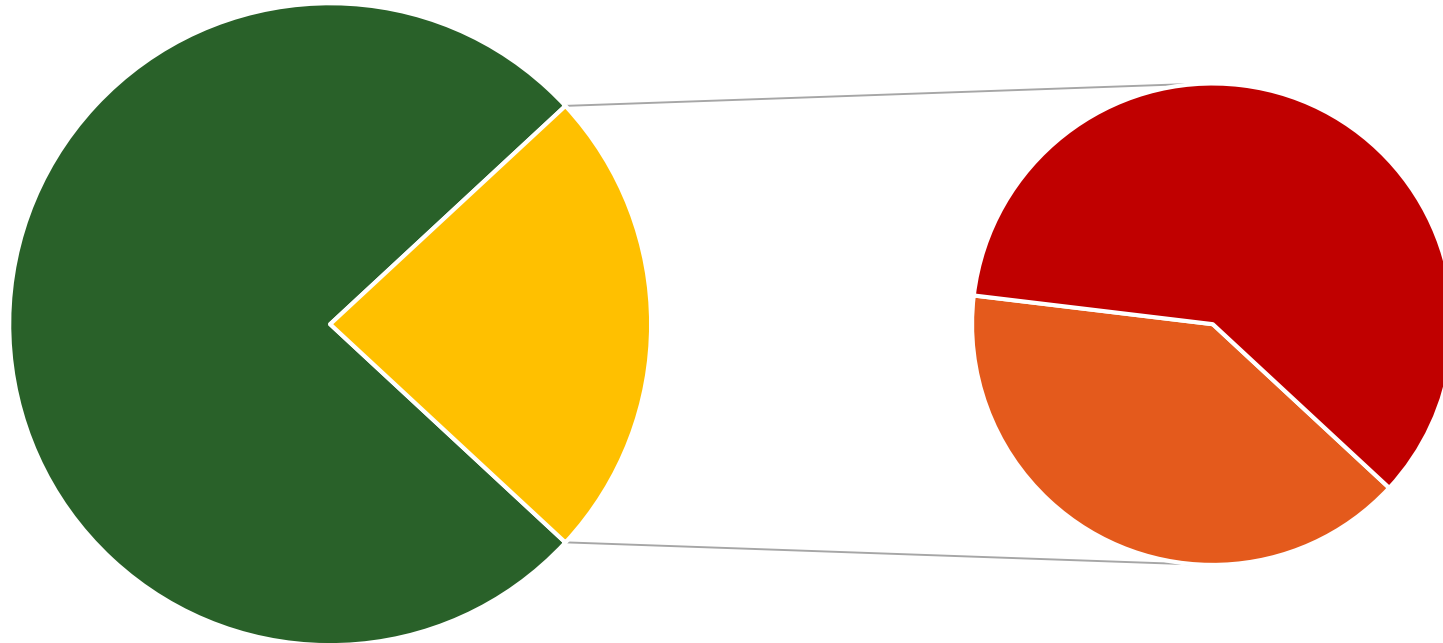


■ Umweltkeime ■ Escherichia coli ■ Weitere fäkale Indikatoren

**Coliforme Keime in der Umwelt**

**Fäkale coliforme Keime**

# Coliforme Keime / fäkale Keime



■ Umweltkeime ■ Escherichia coli ■ Weitere fäkale Indikatoren



**Keine fäkale Kontamination**

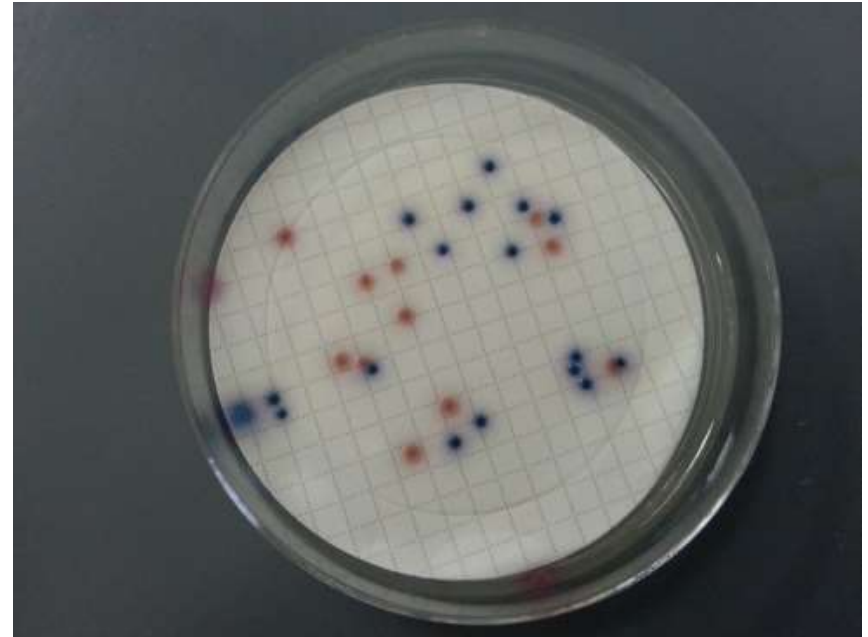


**Fäkale Kontamination**

# Coliforme Keime



**Colilert18/Quanti-Tray**



**ISO 9308-1:2014**