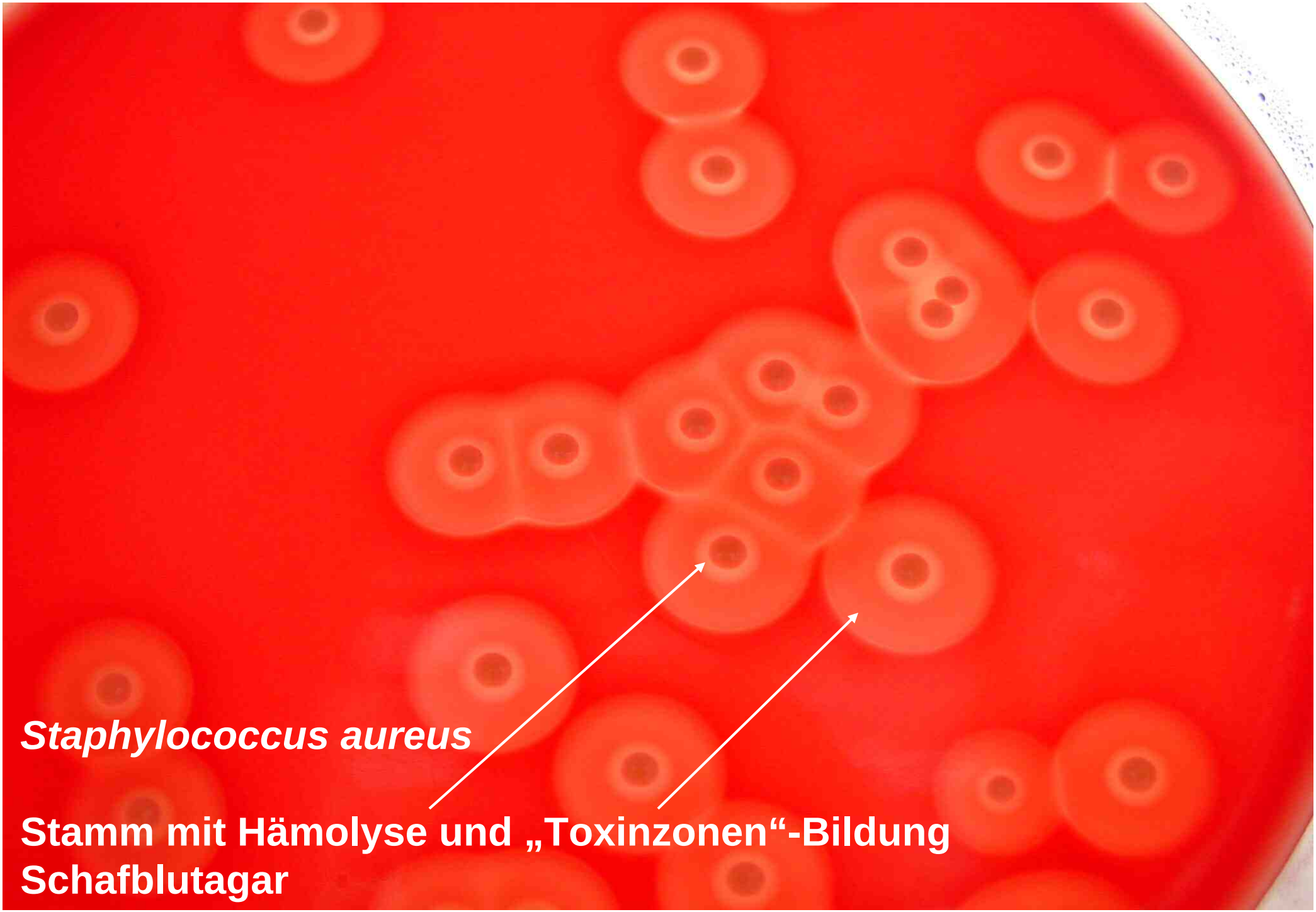
Allgemeines

- die nachstehenden Aufnahmen sind als Bebilderung der Kursunterlagen Bakteriologie/Mykologie gedacht

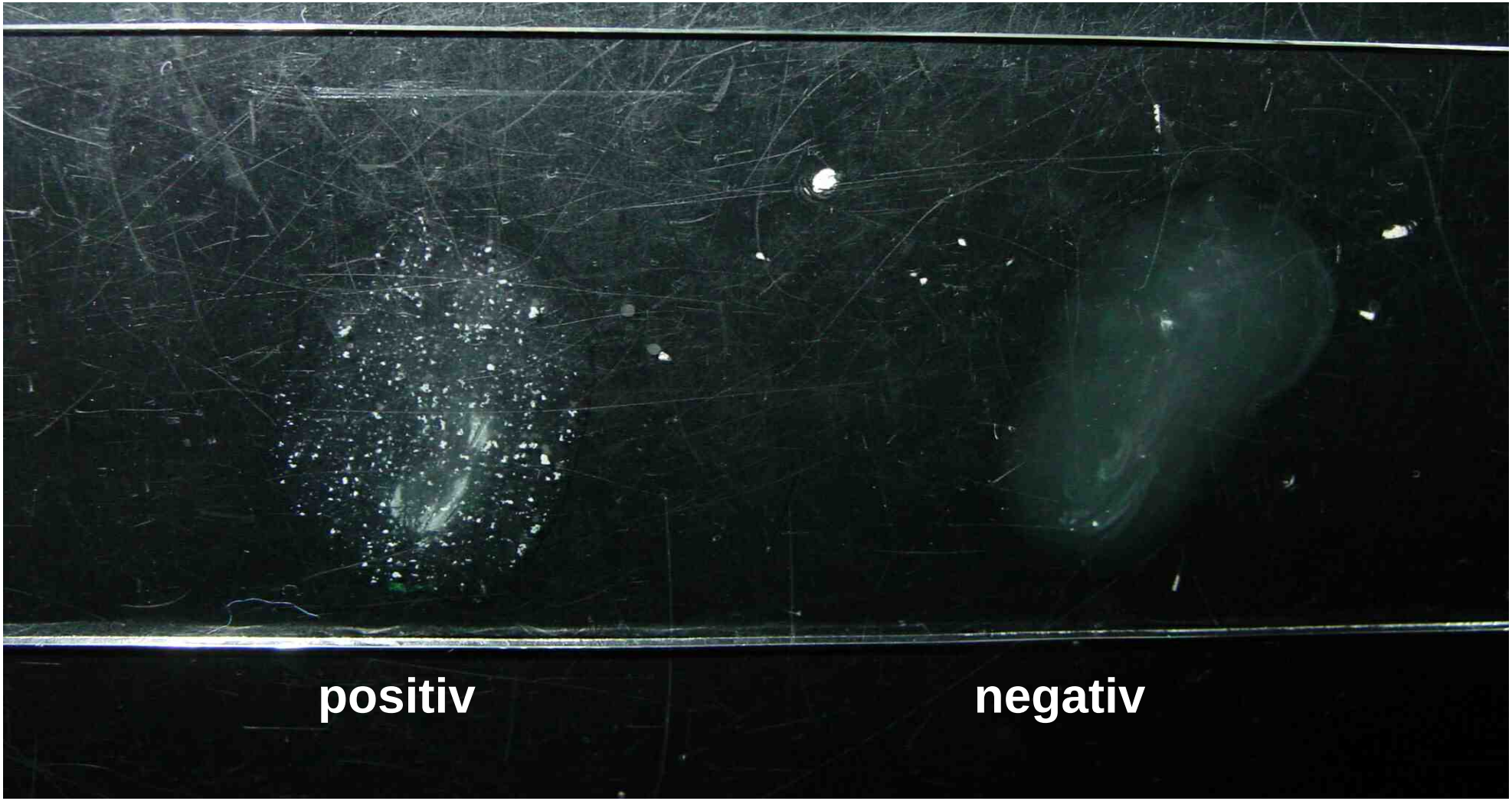
- Fragen, Kommentare, Anregungen, Kritik, ... bitte an Christiane Werckenthin (werckenthin@lmu.de)
- Dank an Elisabeth Kügele (Makroskopische Aufnahmen) und Mira Vodopija (Mikroskopische Aufnahmen) !!!


Staphylococcus aureus
Schafblutagar


Staphylococcus aureus
Stamm mit Hämolyse und „Toxinzonen“-Bildung
Schafblutagar

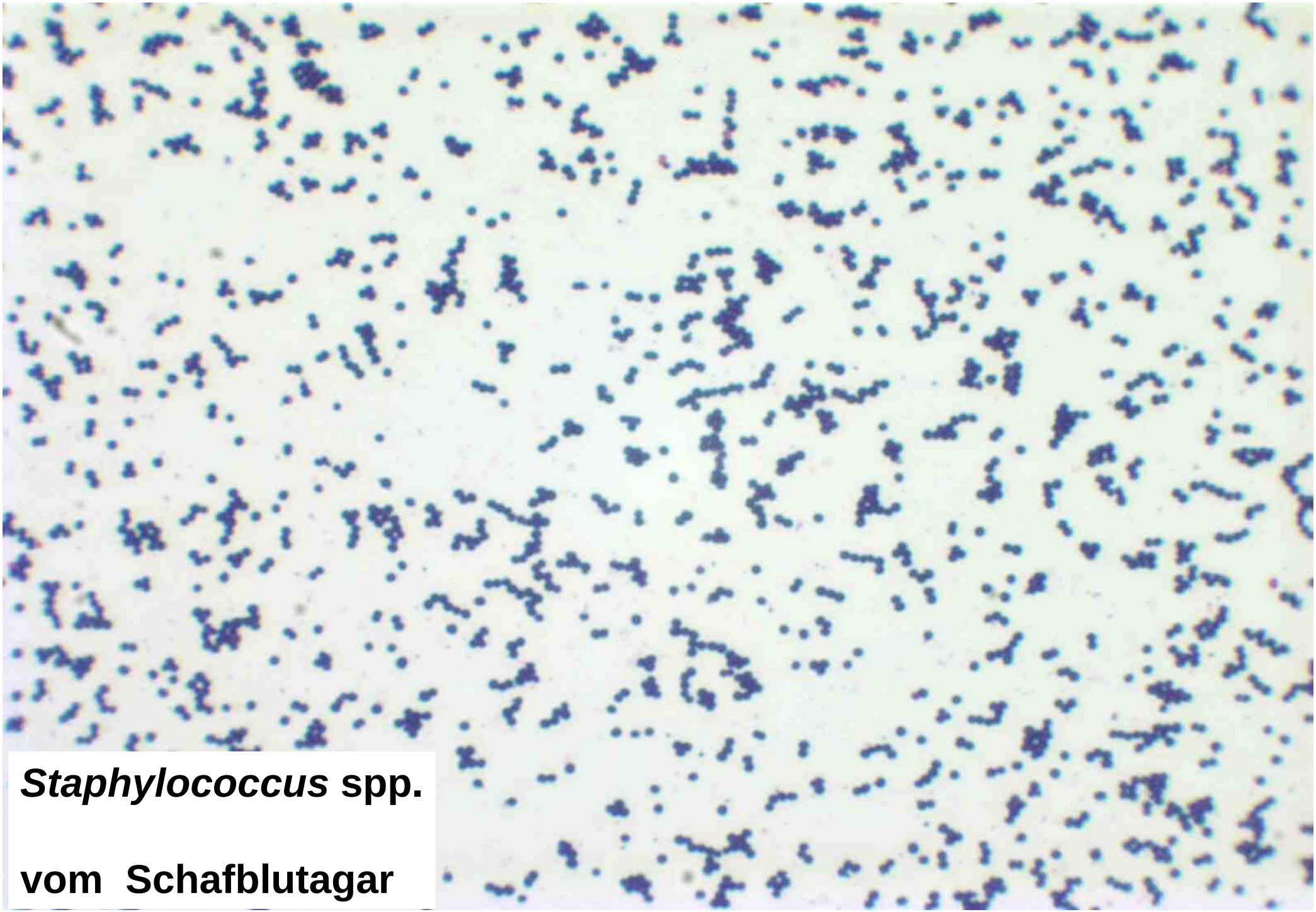
Staphylococcus aureus

Nachweis des „Clumping Factor“ mittels Kaninchen-Citratplasma




Staphylococcus hyicus
Schafblutagar

***Staphylococcus intermedius* (*pseudintermedius*)**
Pfeil/Ring: „Toxinzone“
Schafblutagar



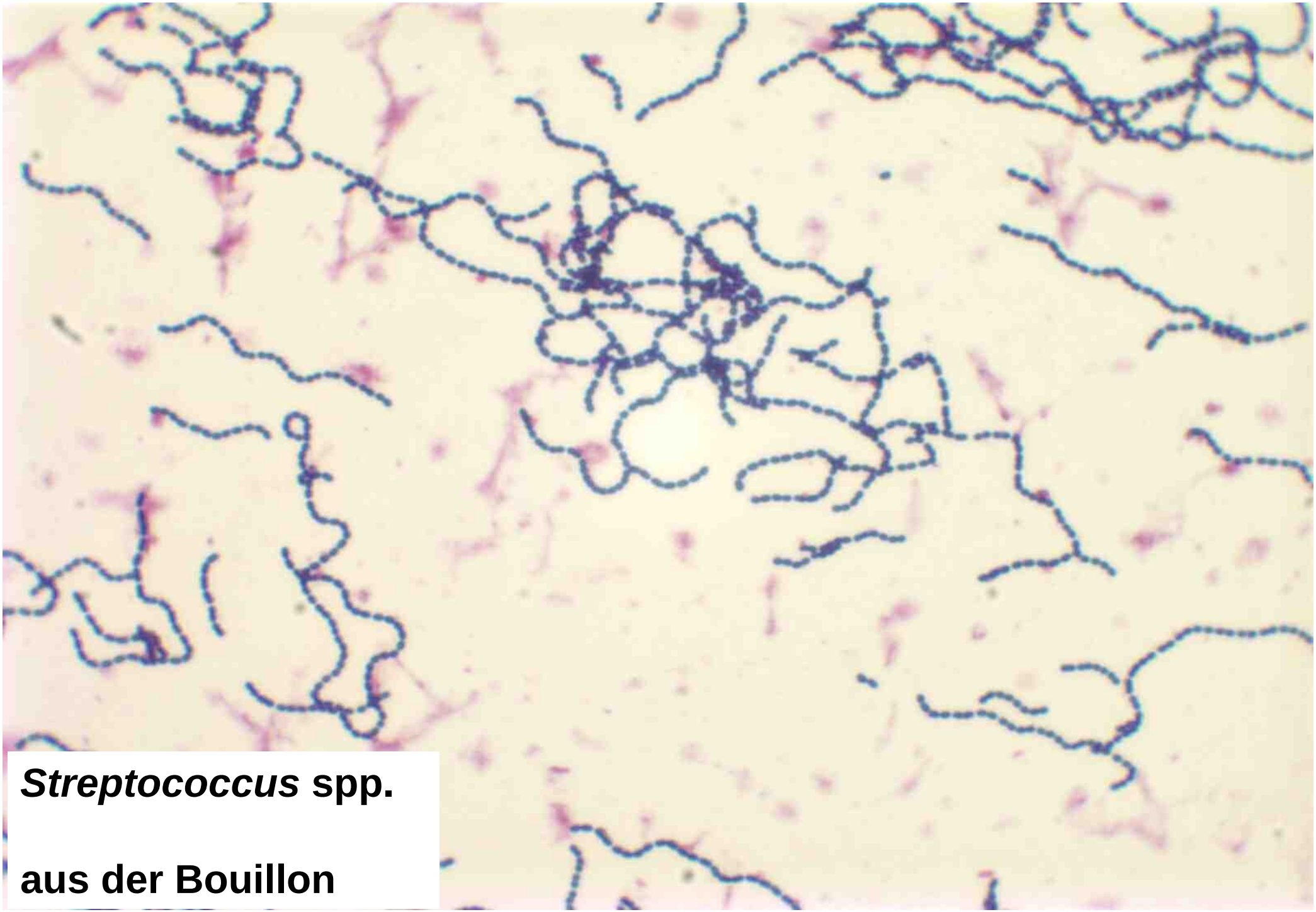
***Staphylococcus* spp.**

vom Schafblutagar


alpha-Hämolyse
anhämolysierend
beta-Hämolyse

***Streptococcus* spp.**

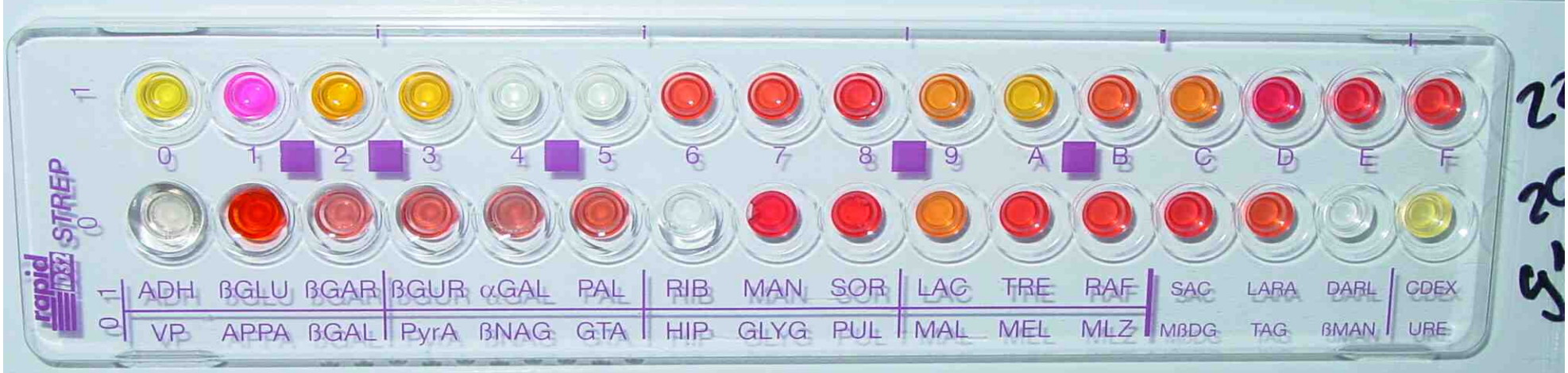
vom Schafblutagar



***Streptococcus* spp.**

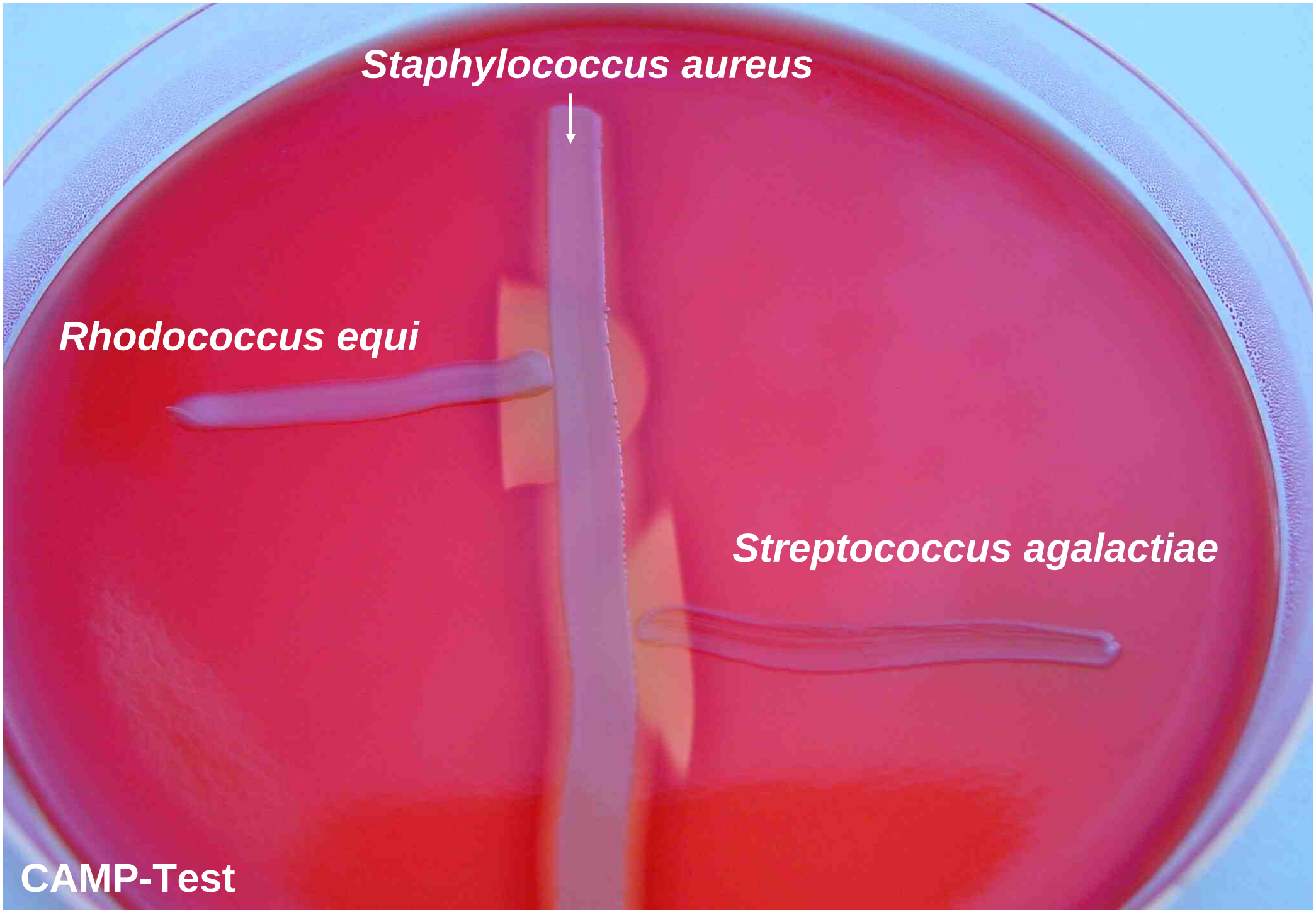
aus der Bouillon

Streptokokken-Testkit ID32 Strep rapid (BioMérieux)



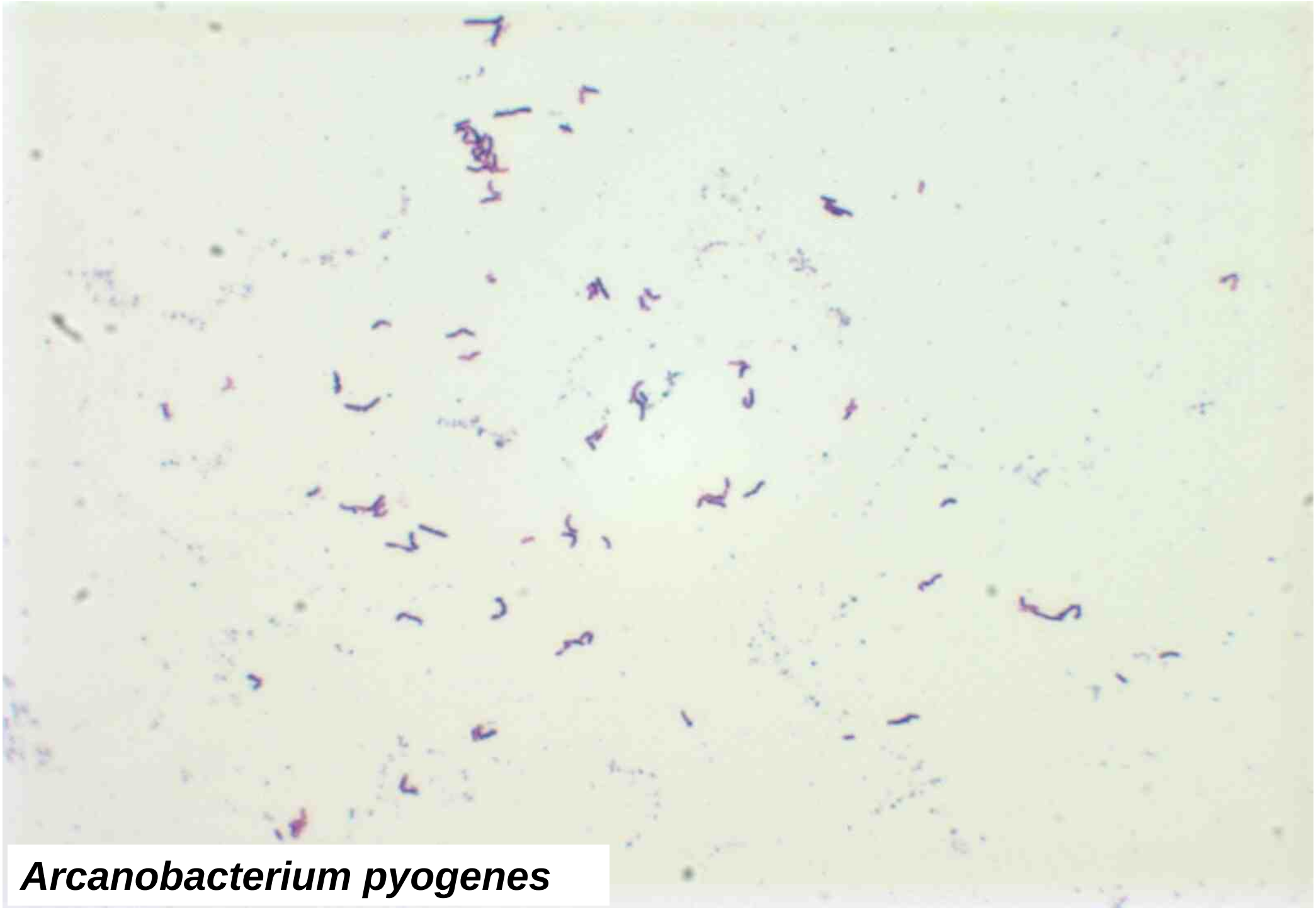
Beispiel 1 für kommerziell verfügbare miniaturisierte

„Bunte Reihen“


Staphylococcus aureus
Rhodococcus equi
Streptococcus agalactiae
CAMP-Test

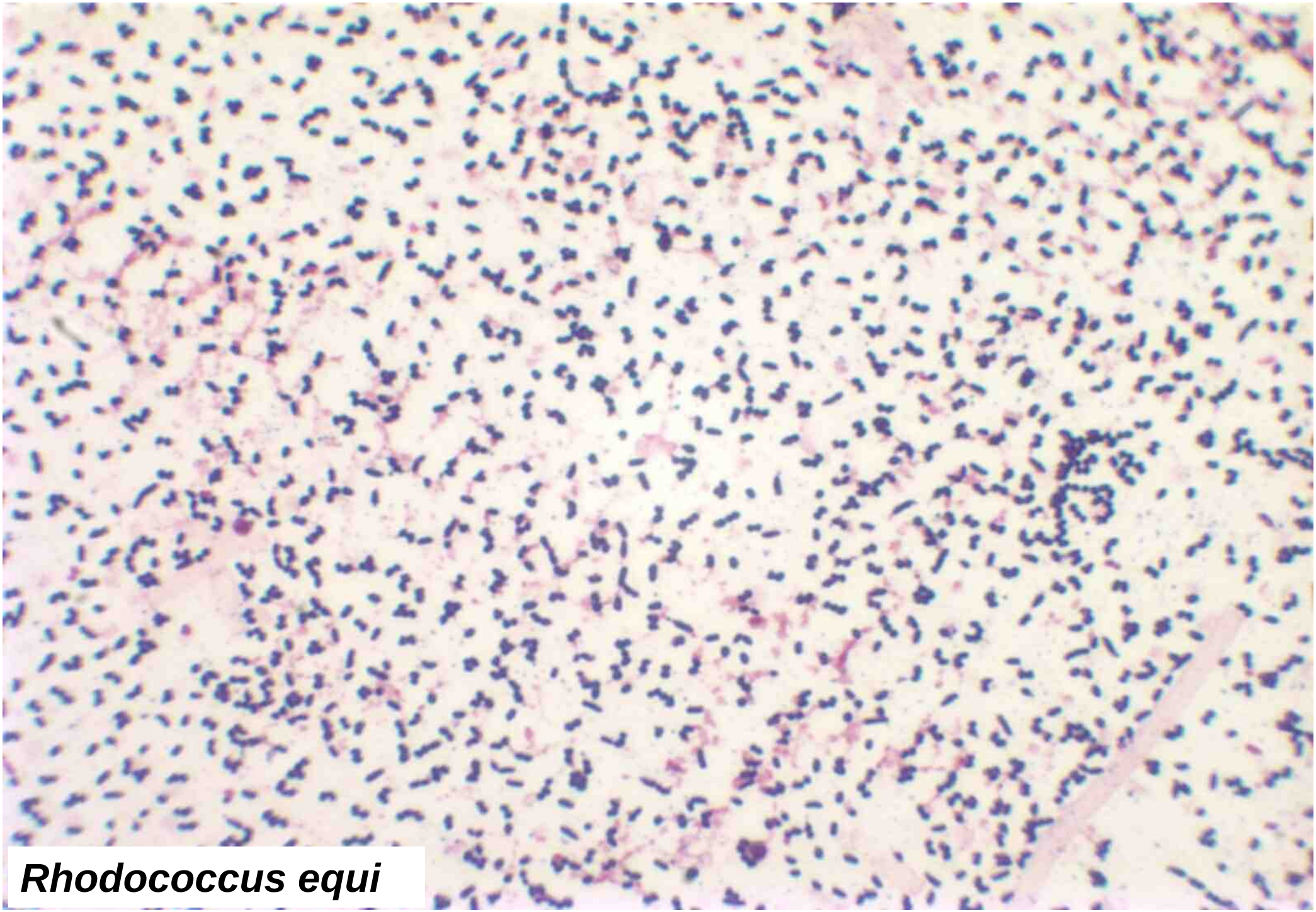

Arcanobacterium pyogenes
Schafblutagar aerobe Bebrütung


Arcanobacterium pyogenes
Schafblutagar mikroaerophile Bebrütung



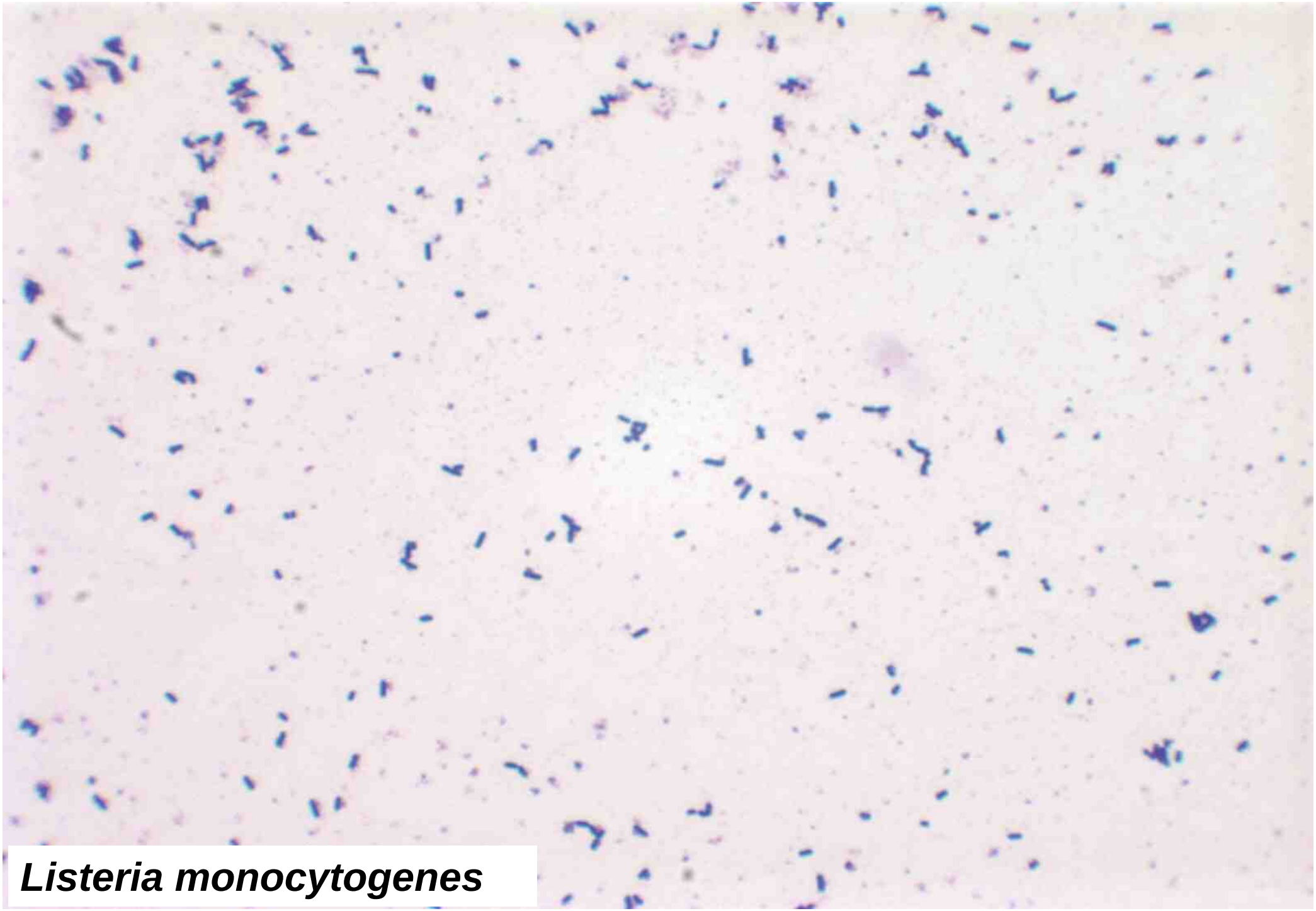
Arcanobacterium pyogenes


Rhodococcus equi
Schafblutagar

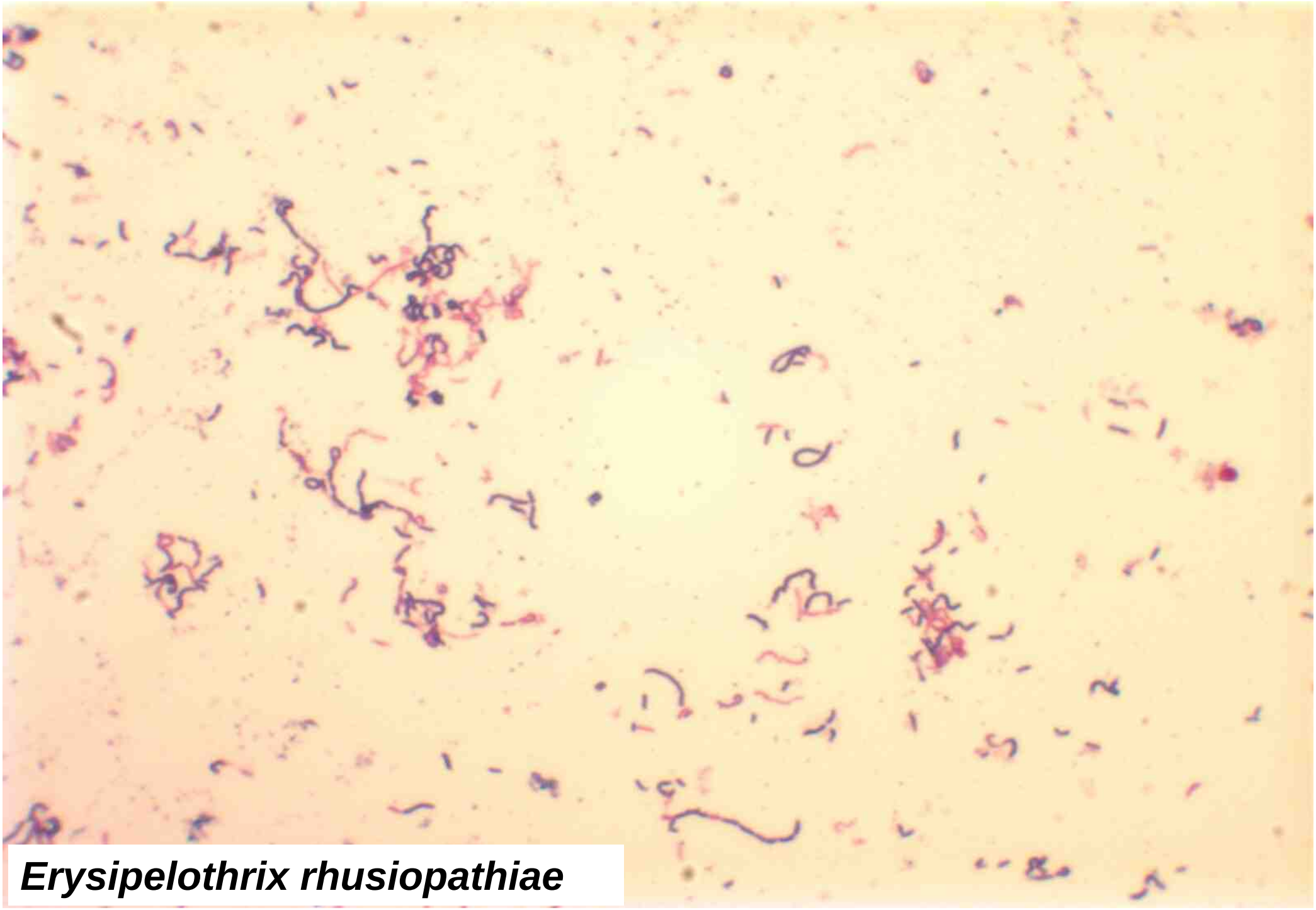

Rhodococcus equi

Listeria monocytogenes

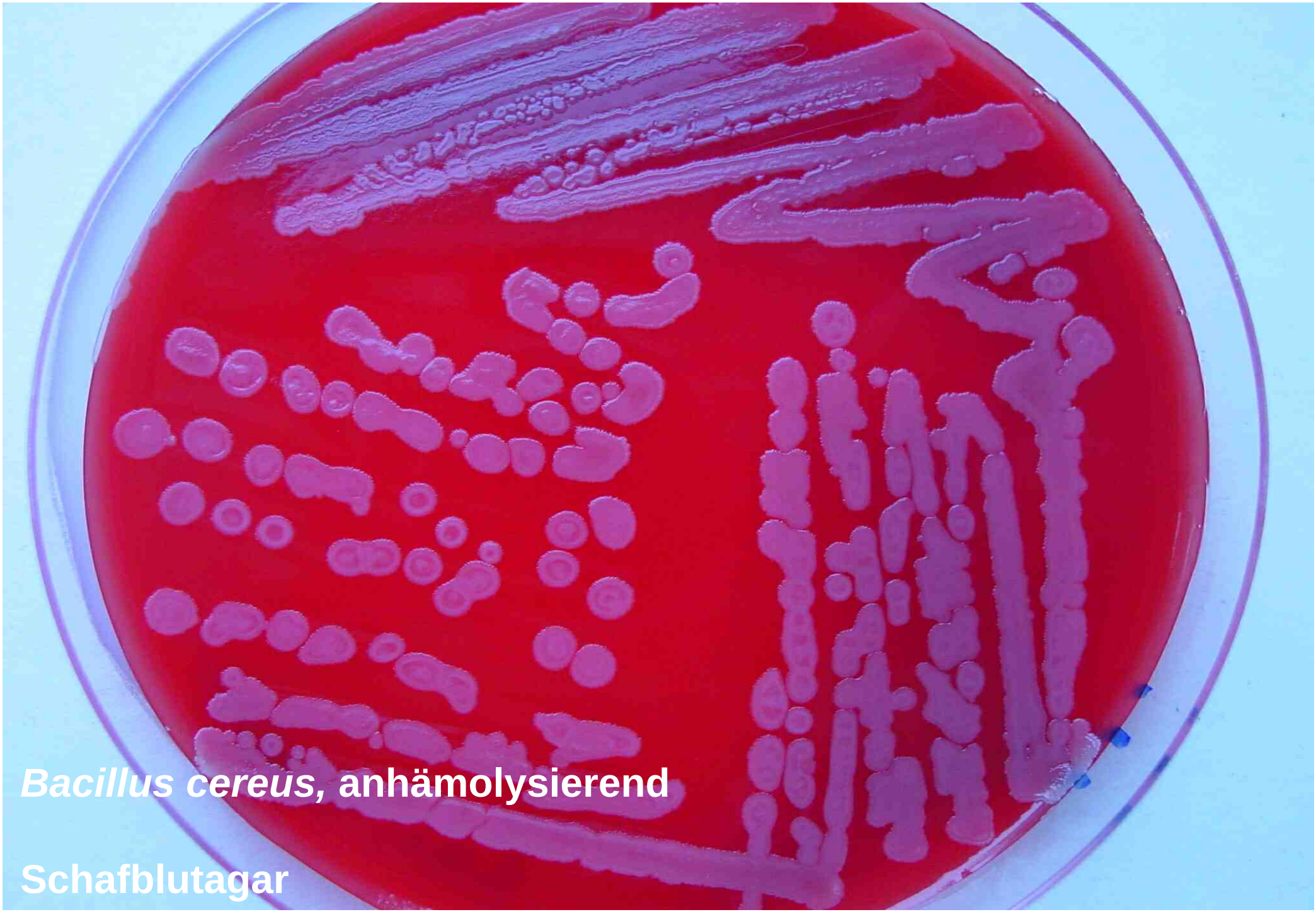
Schafblutagar

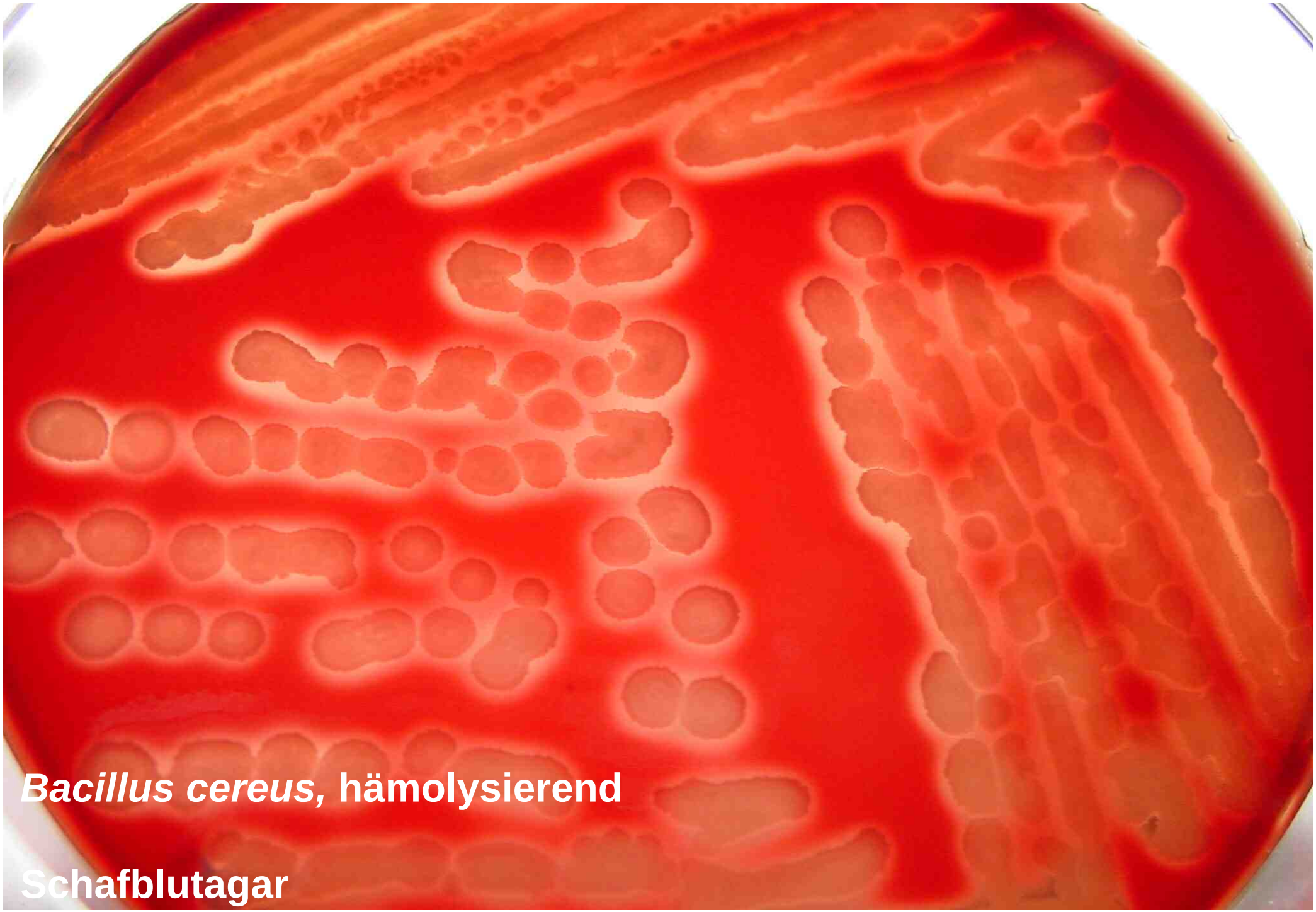


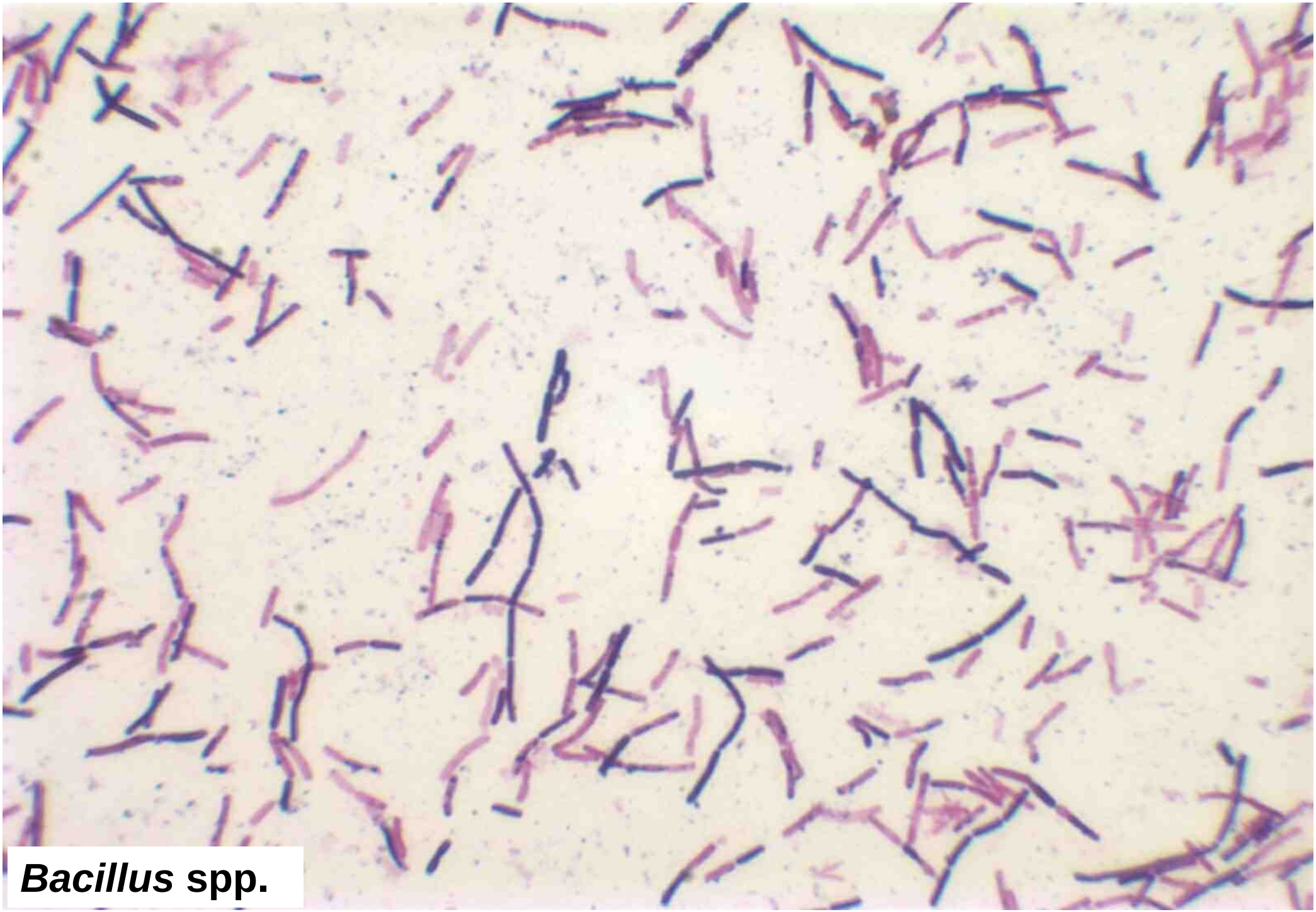
Listeria monocytogenes



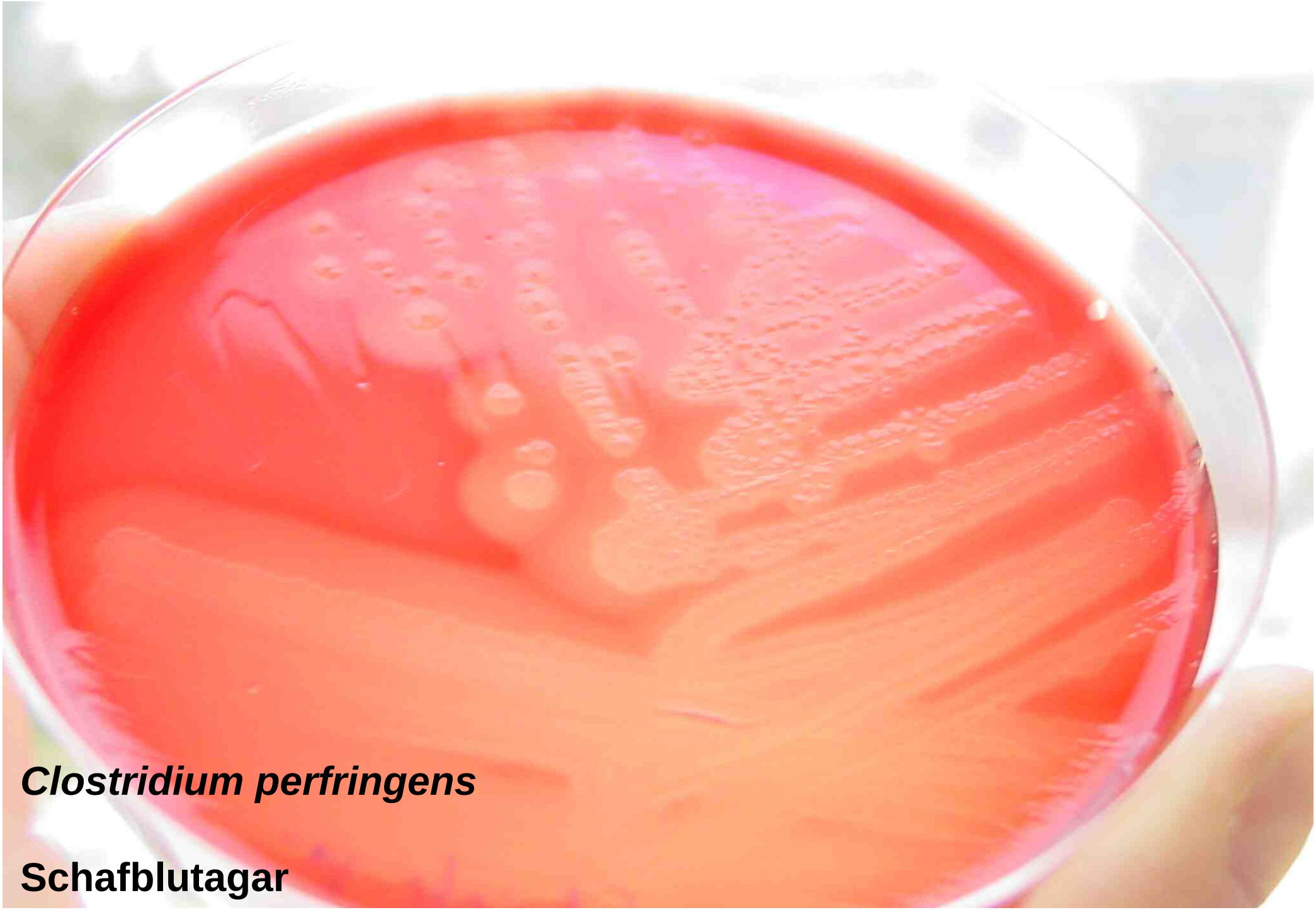
Erysipelothrix rhusiopathiae


Bacillus cereus, anhämolysierend
Schafblutagar


Bacillus cereus, hämolysierend
Schafblutagar

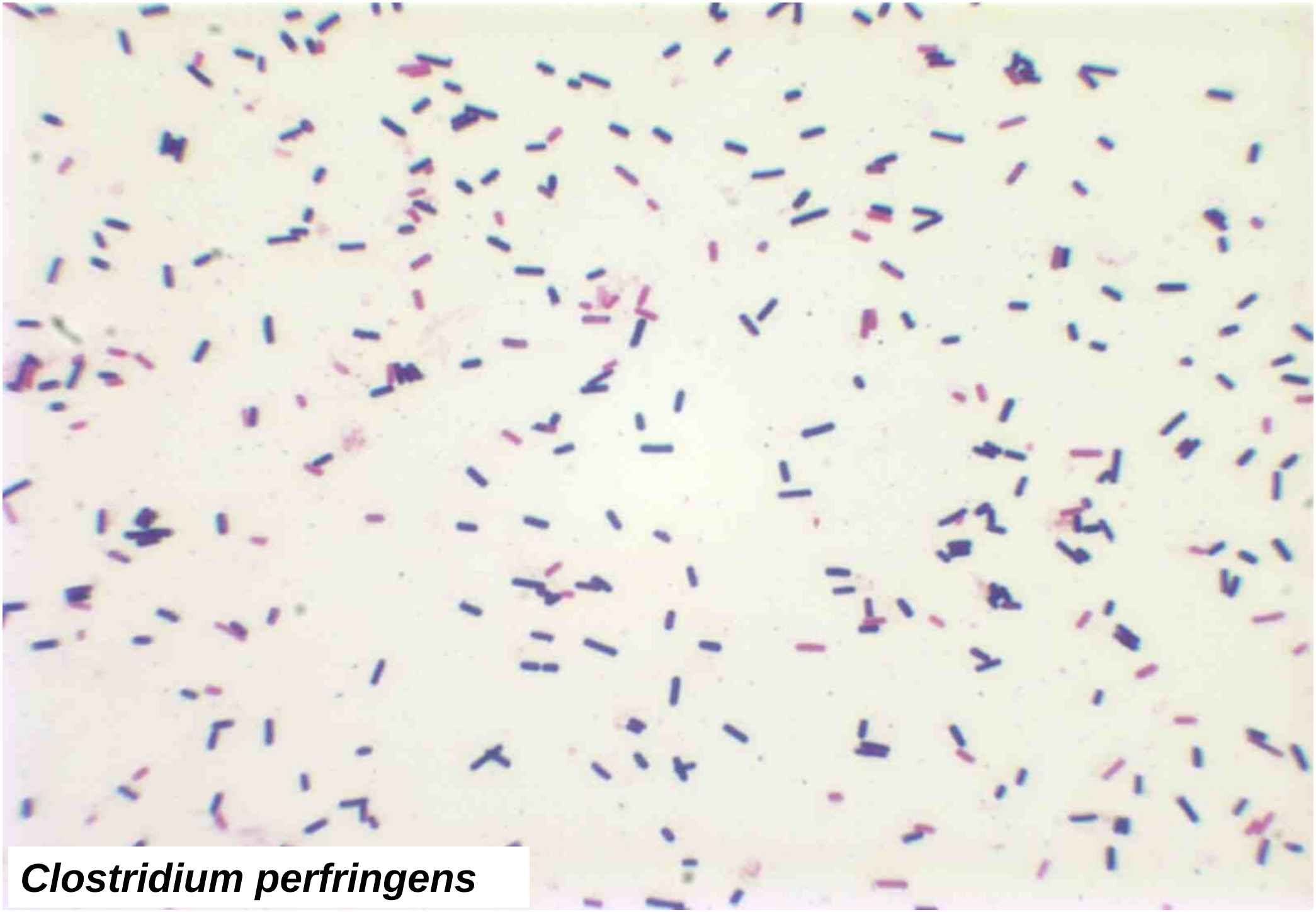


***Bacillus* spp.**



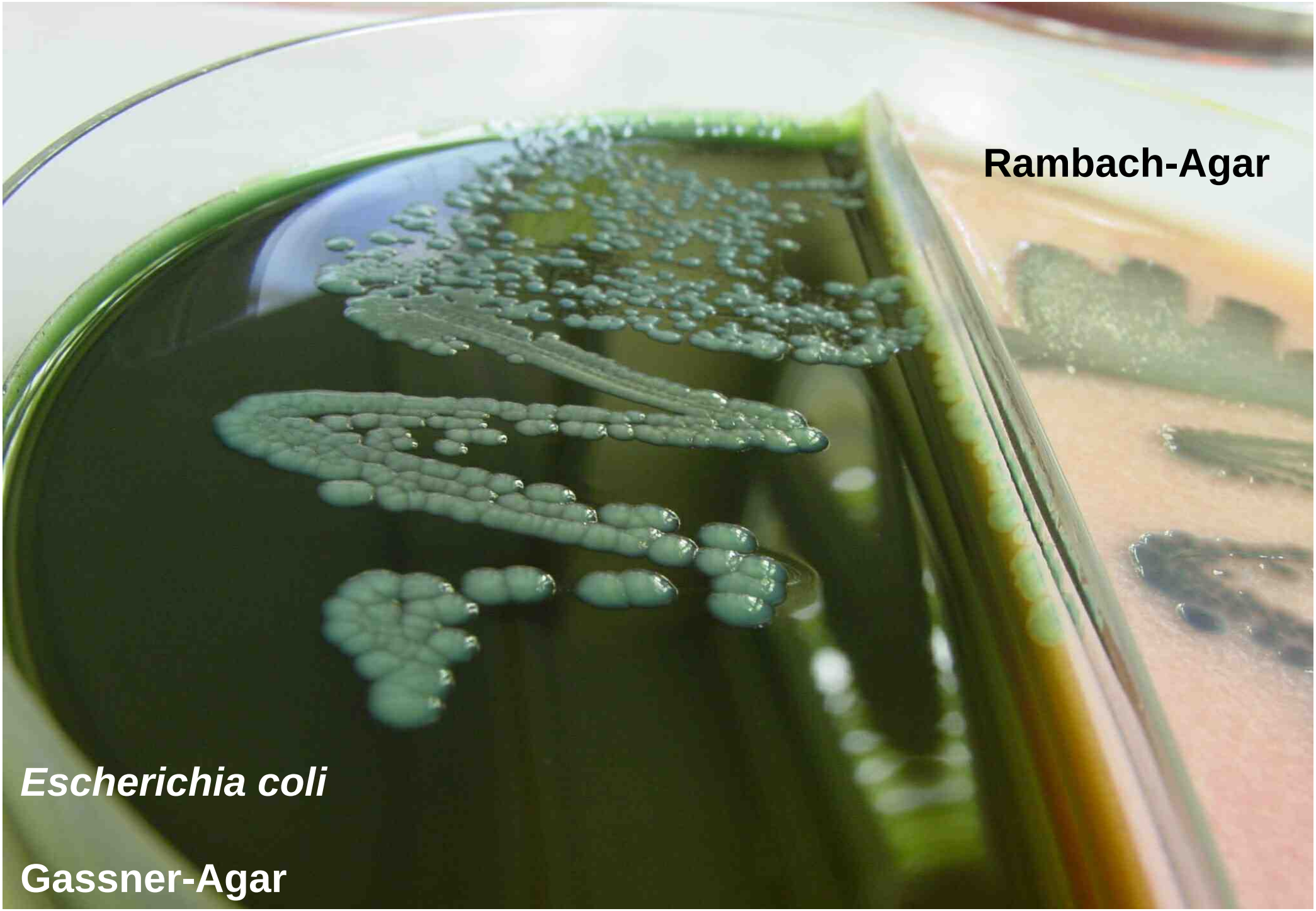
Clostridium perfringens

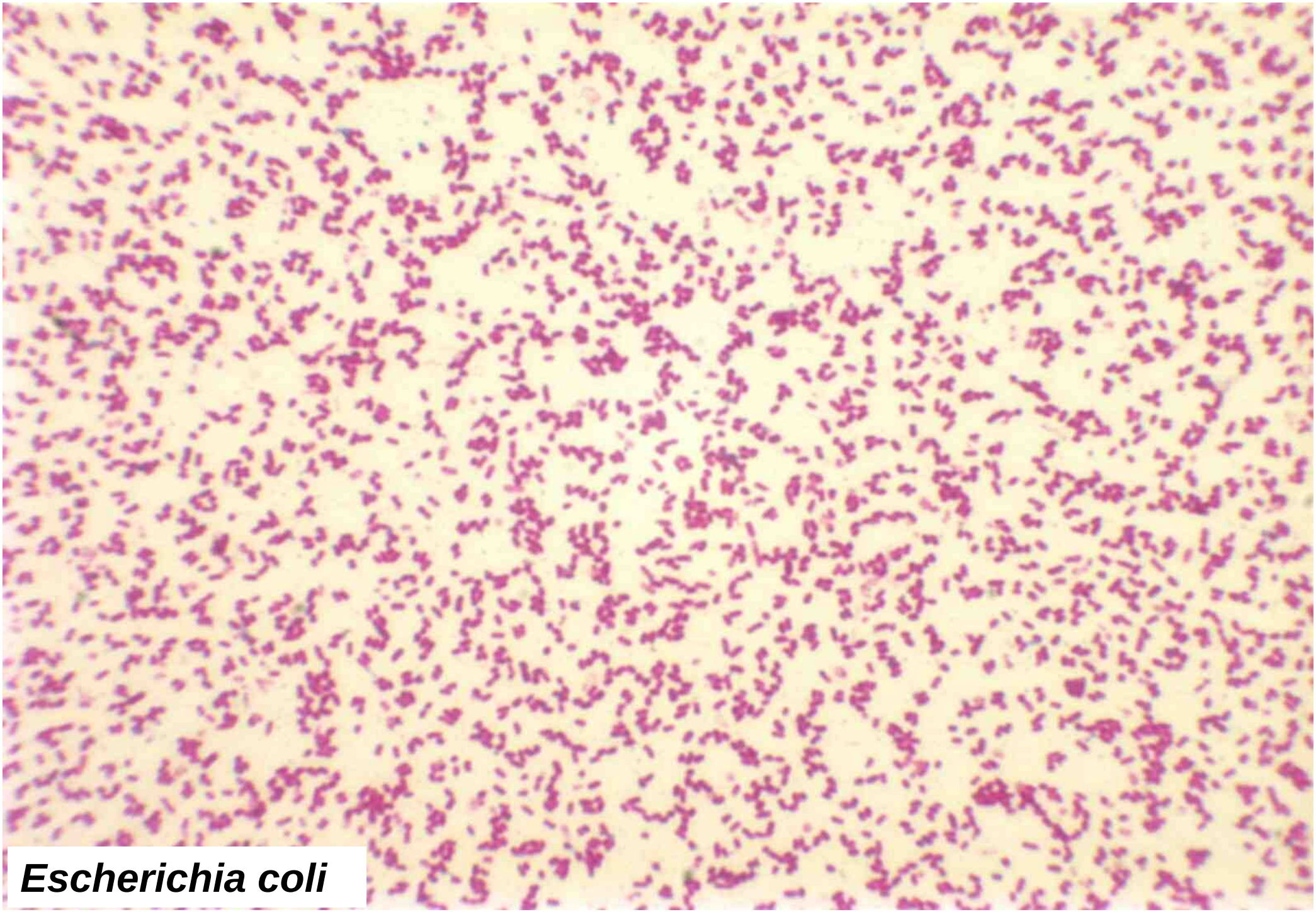
Schafblutagar



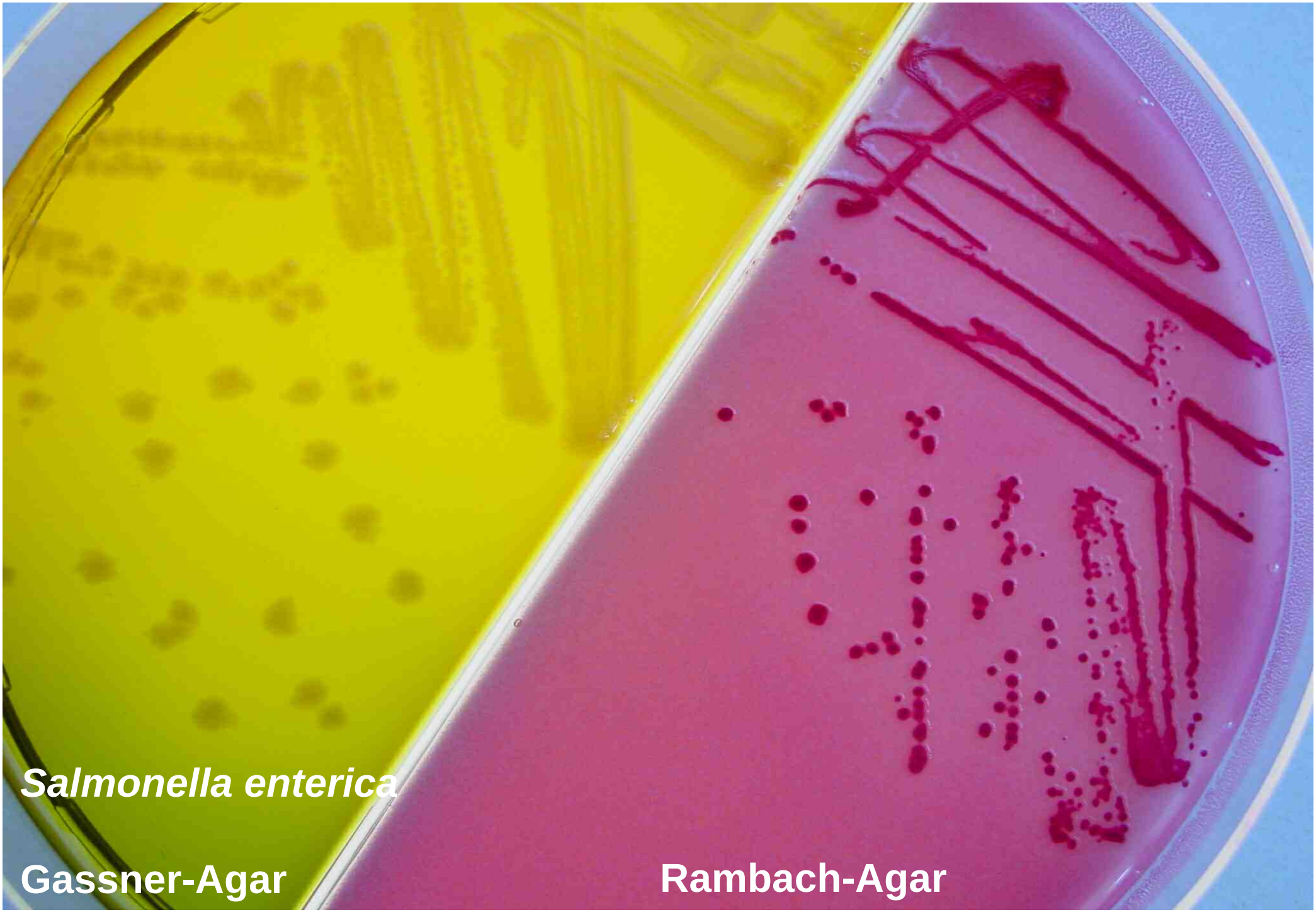
Clostridium perfringens

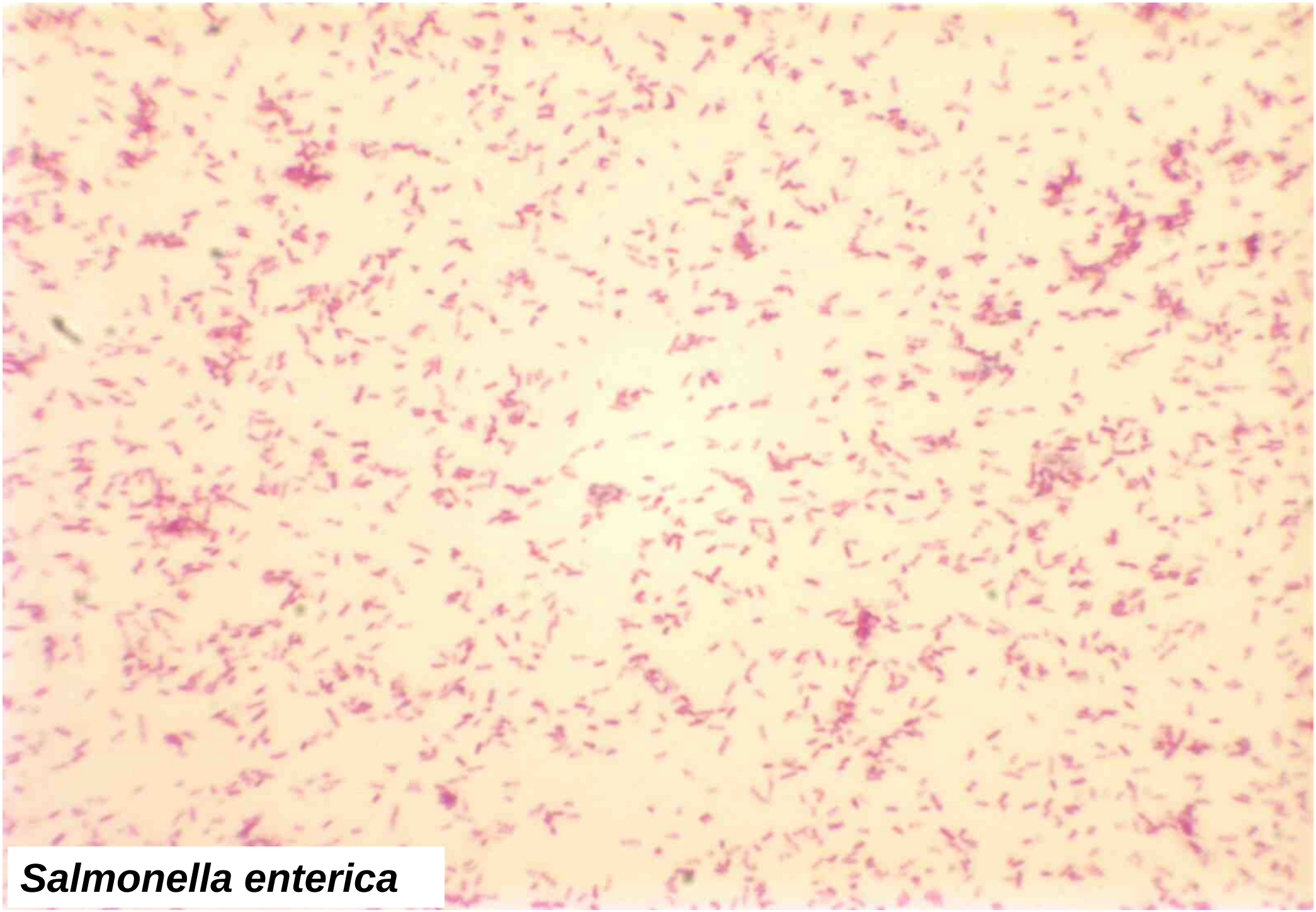
Escherichia coli
anhämolysierend und hämolysierend
Schafblutagar


Rambach-Agar
Escherichia coli
Gassner-Agar


Escherichia coli

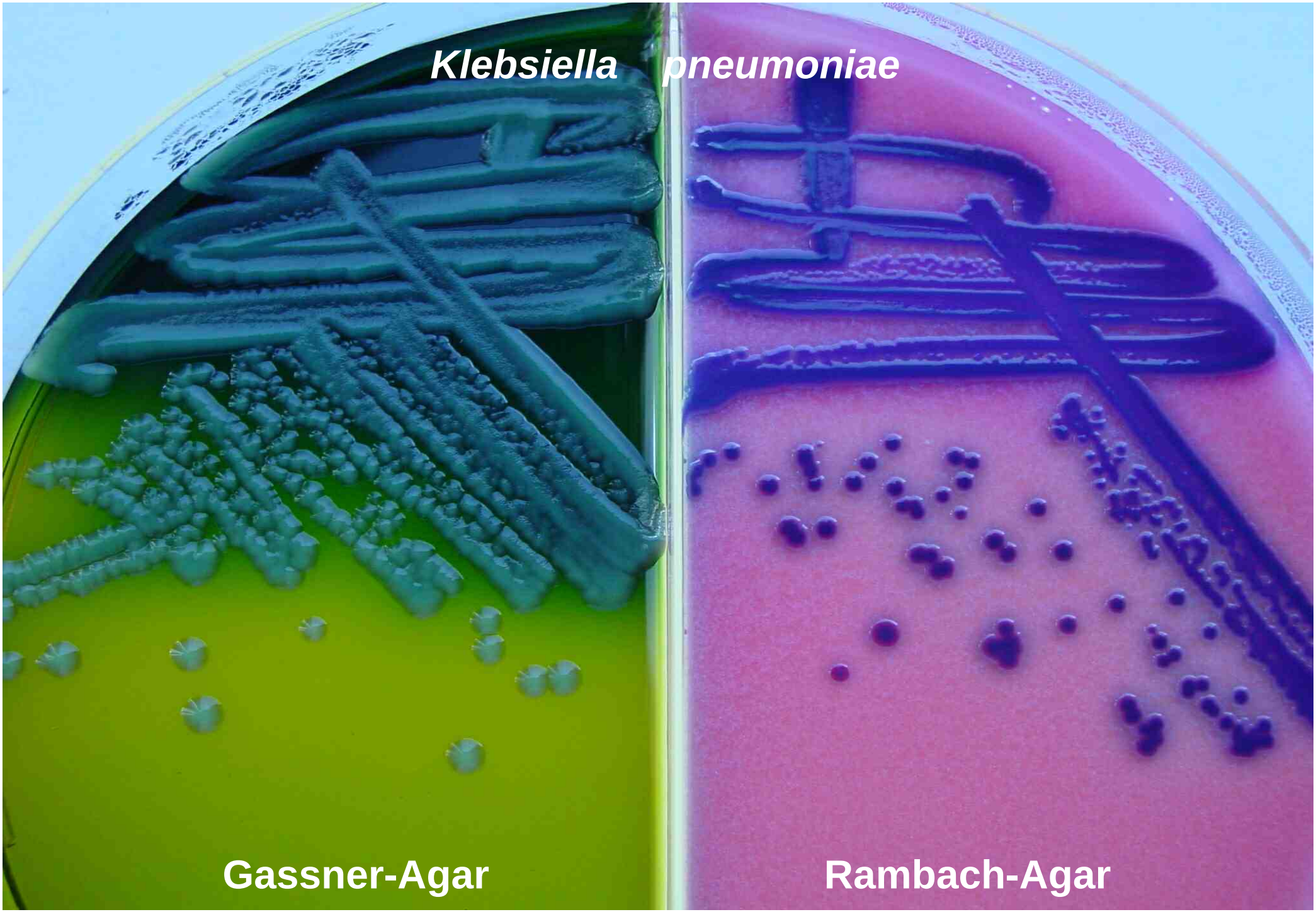

Salmonella enterica
Schafblutagar

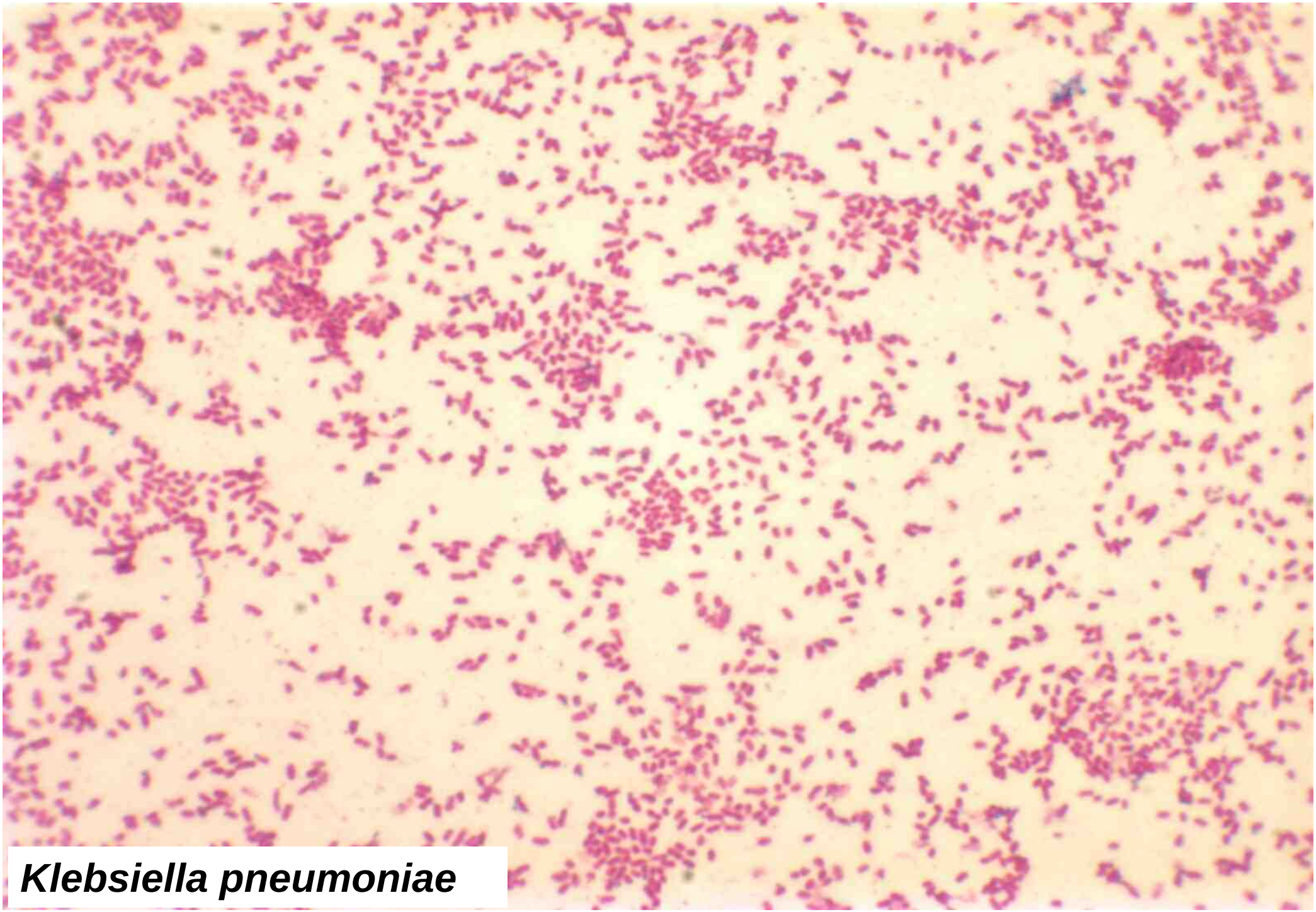

Salmonella enterica
Gassner-Agar
Rambach-Agar

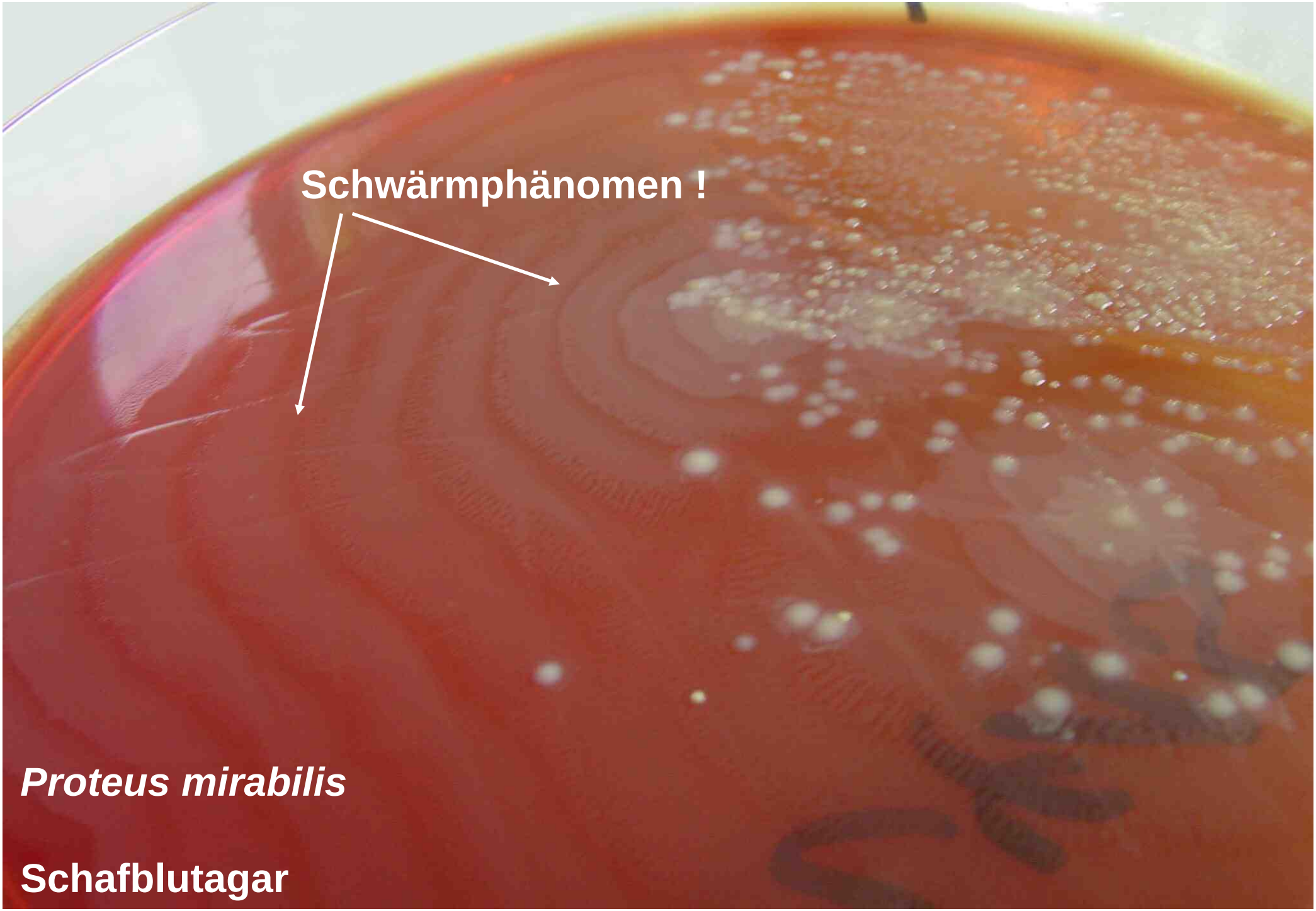


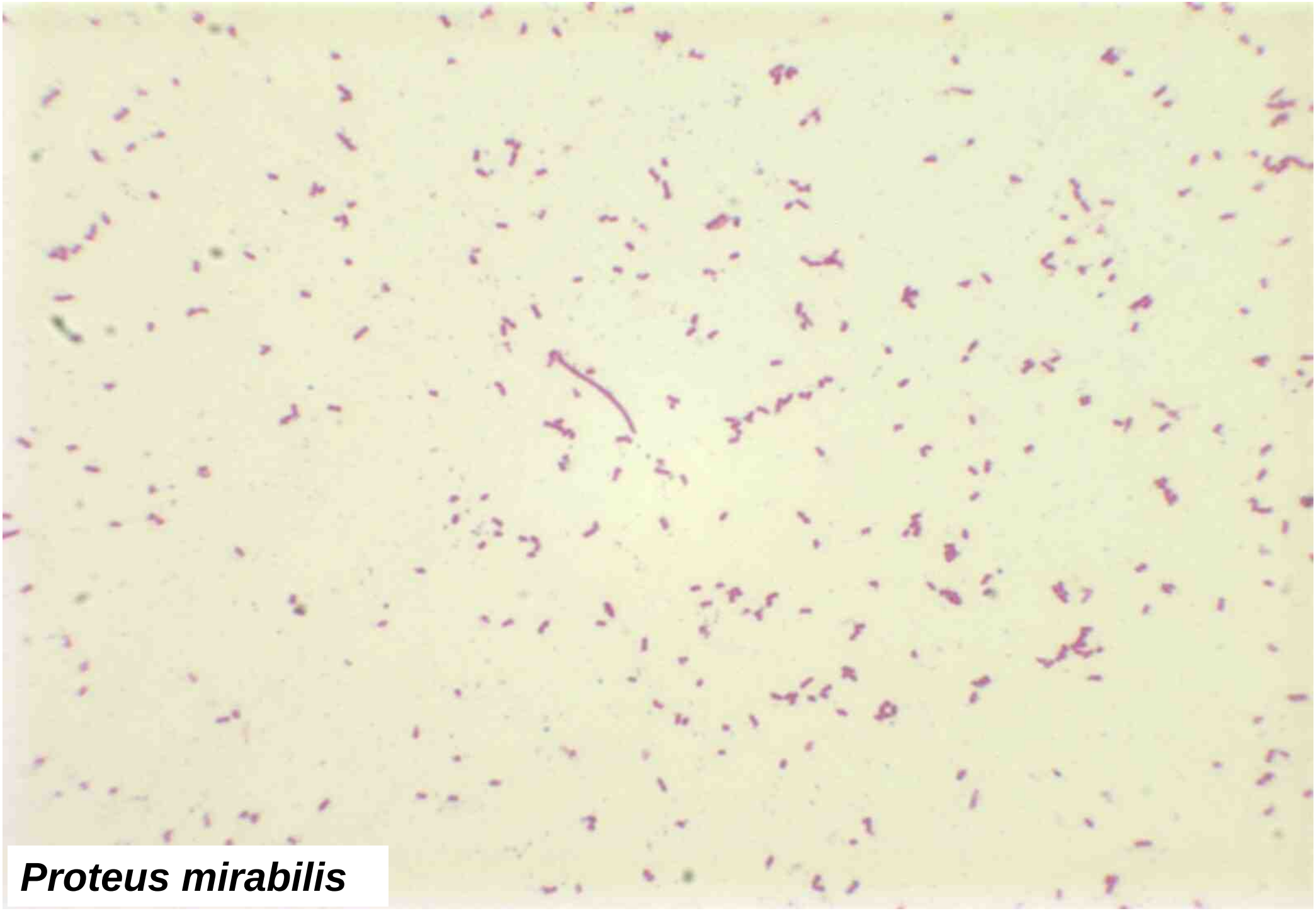
Salmonella enterica


Klebsiella pneumoniae
Schafblutagar


Klebsiella pneumoniae
Gassner-Agar
Rambach-Agar


Klebsiella pneumoniae

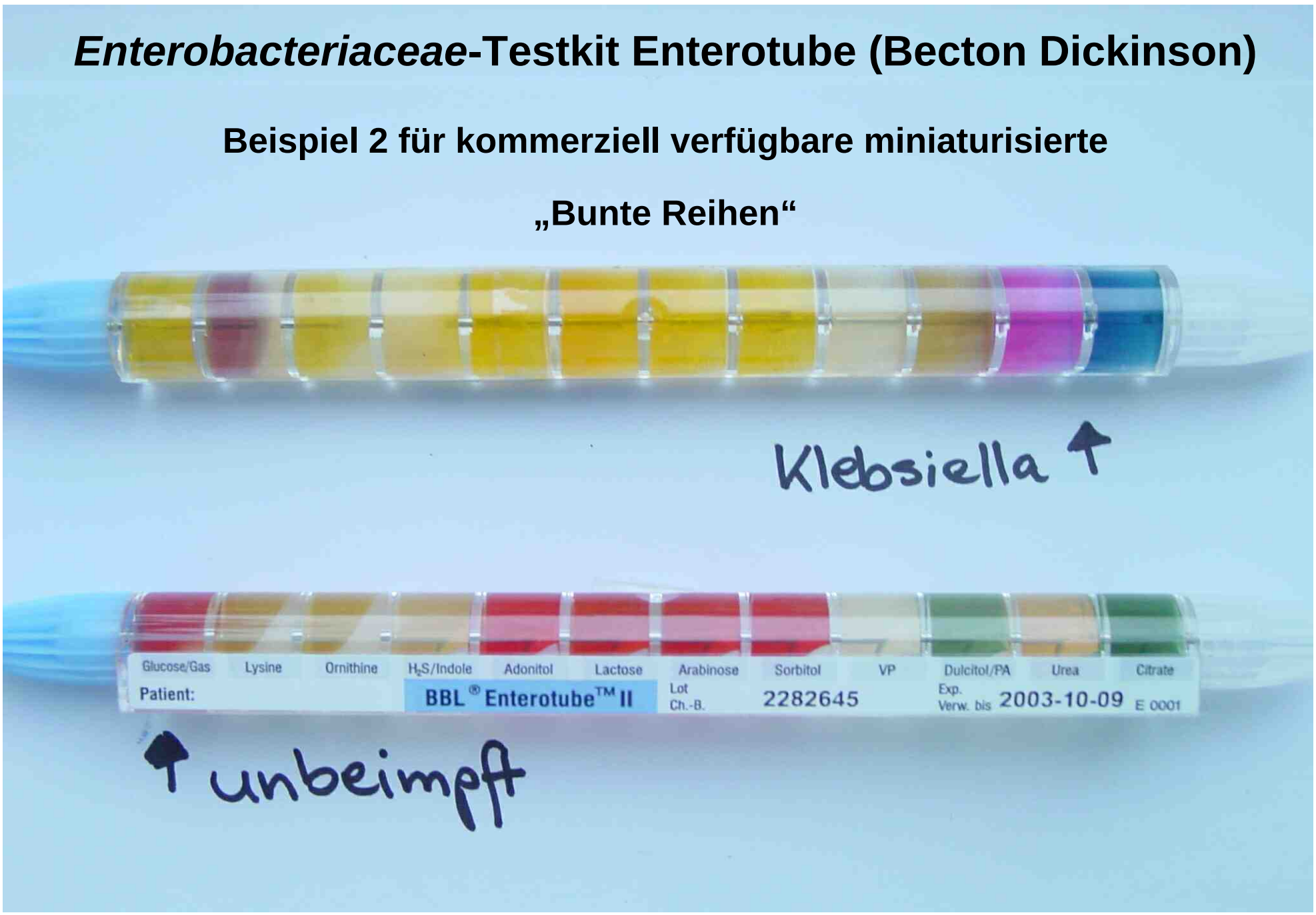

Schwärmphänomen !
Proteus mirabilis
Schafblutagar


Proteus mirabilis

Enterobacteriaceae-Testkit Enterotube (Becton Dickinson)

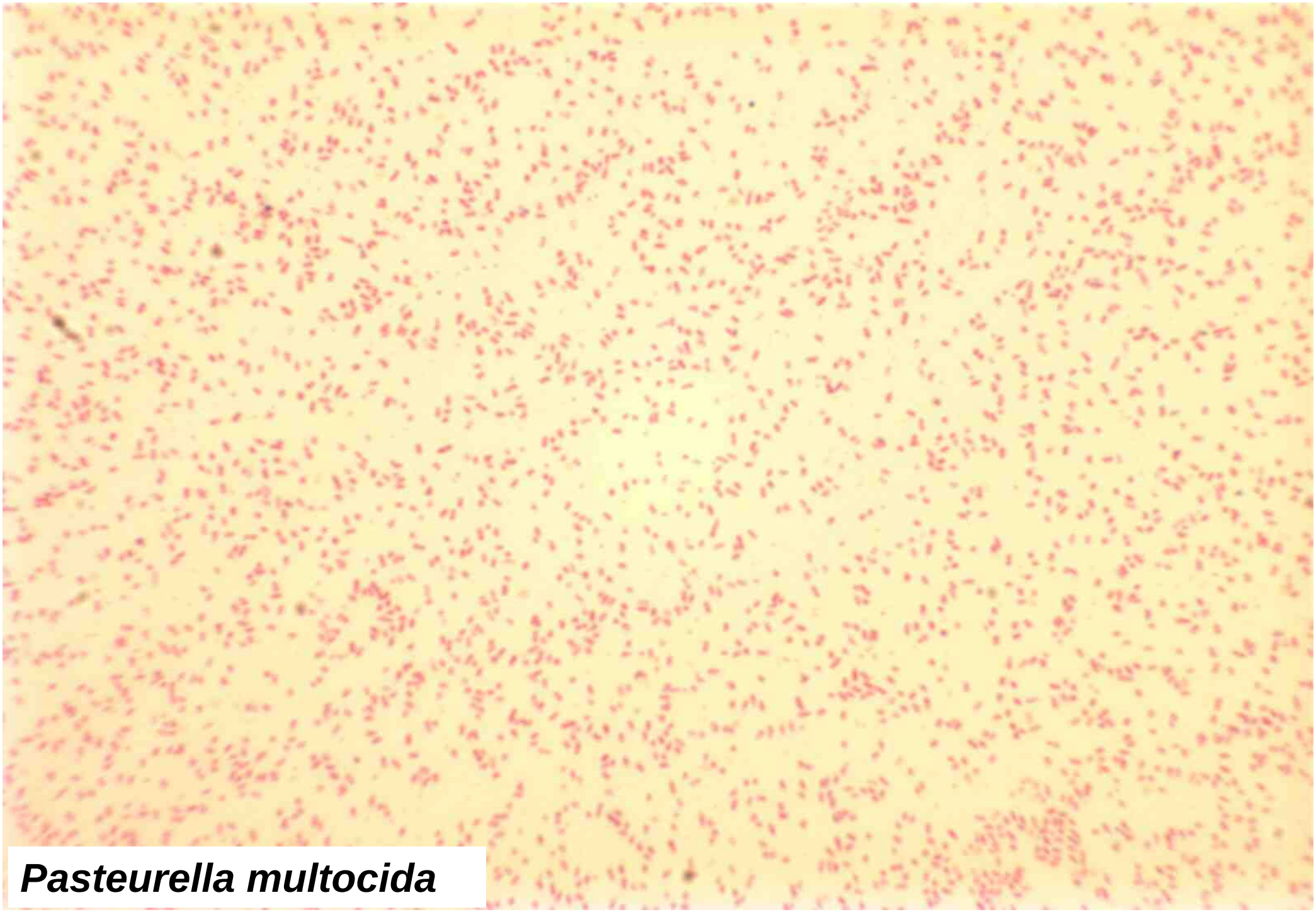
Beispiel 2 für kommerziell verfügbare miniaturisierte

„Bunte Reihen“



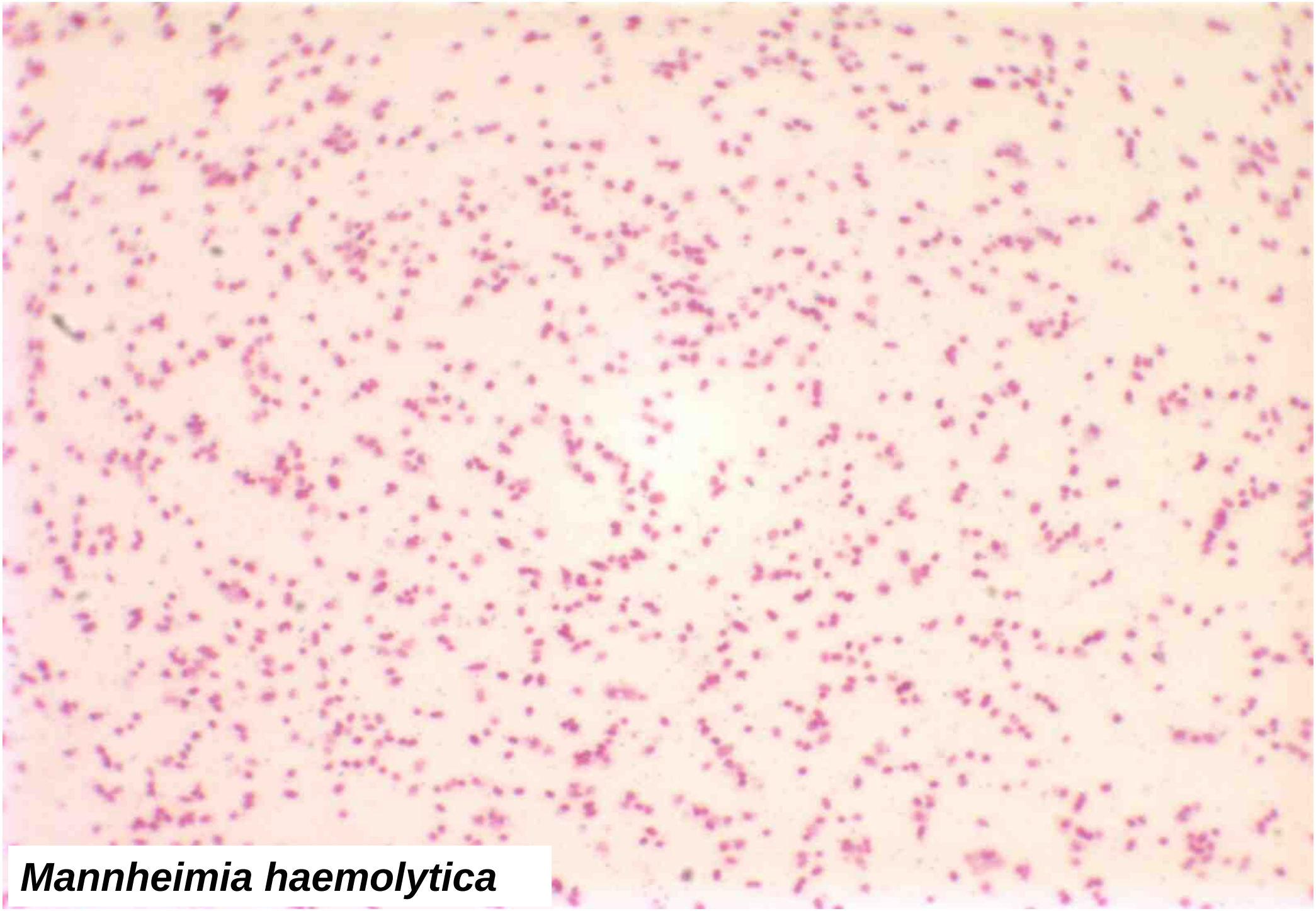
Pasteurella multocida

Schafblutagar


Pasteurella multocida

Mannheimia haemolytica

Schafblutagar



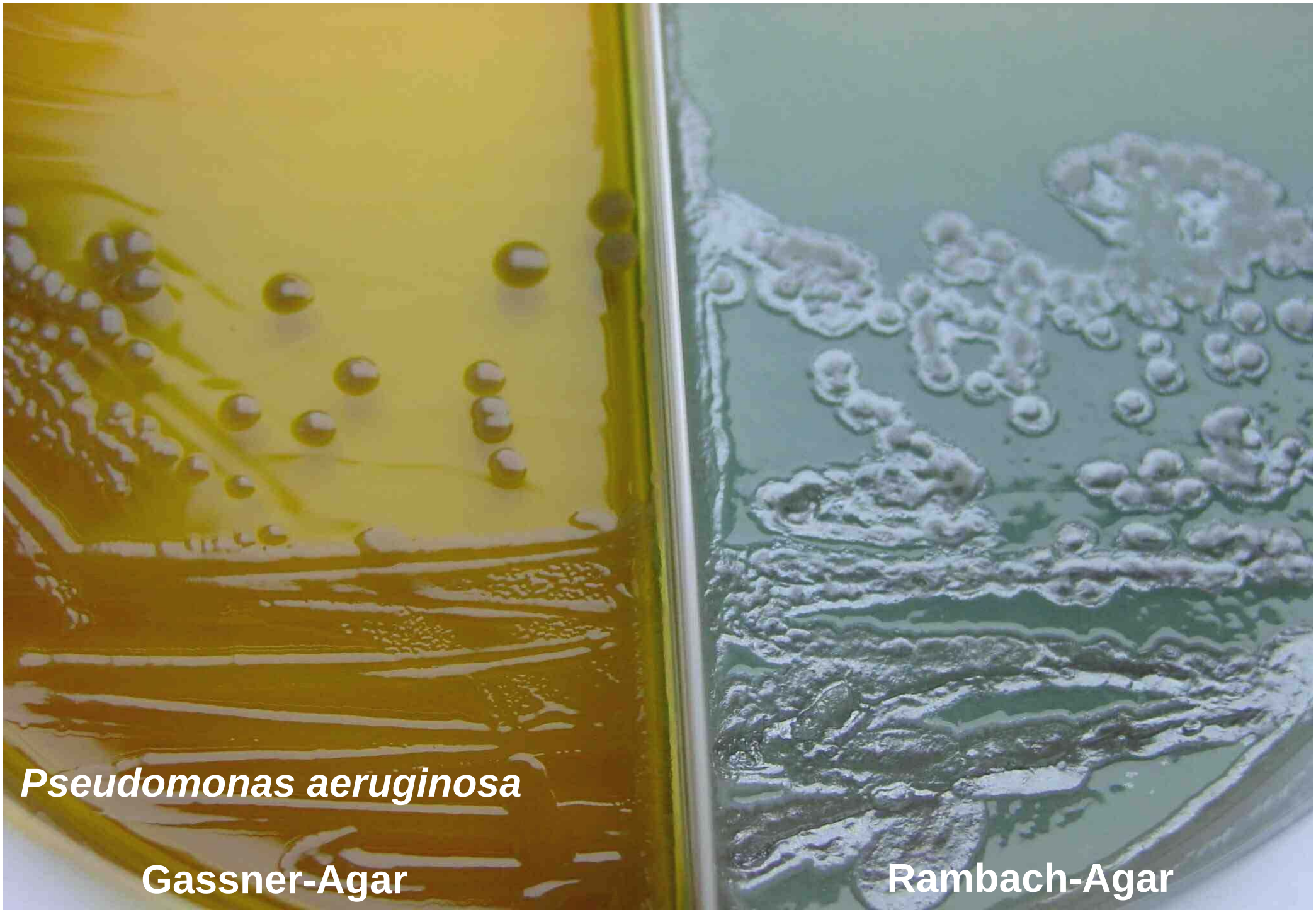
Mannheimia haemolytica

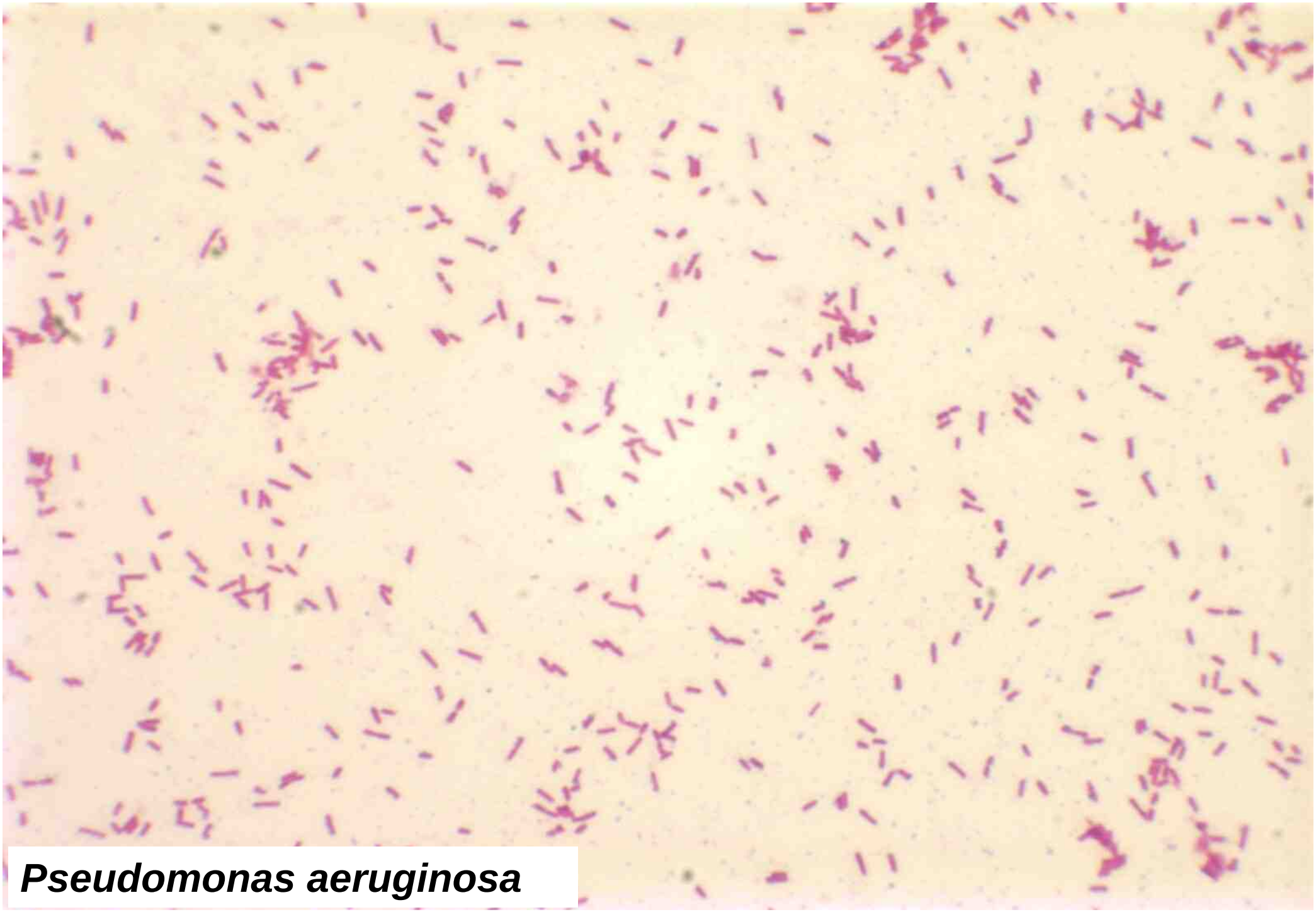
Pseudomonas aeruginosa

Schafblutagar

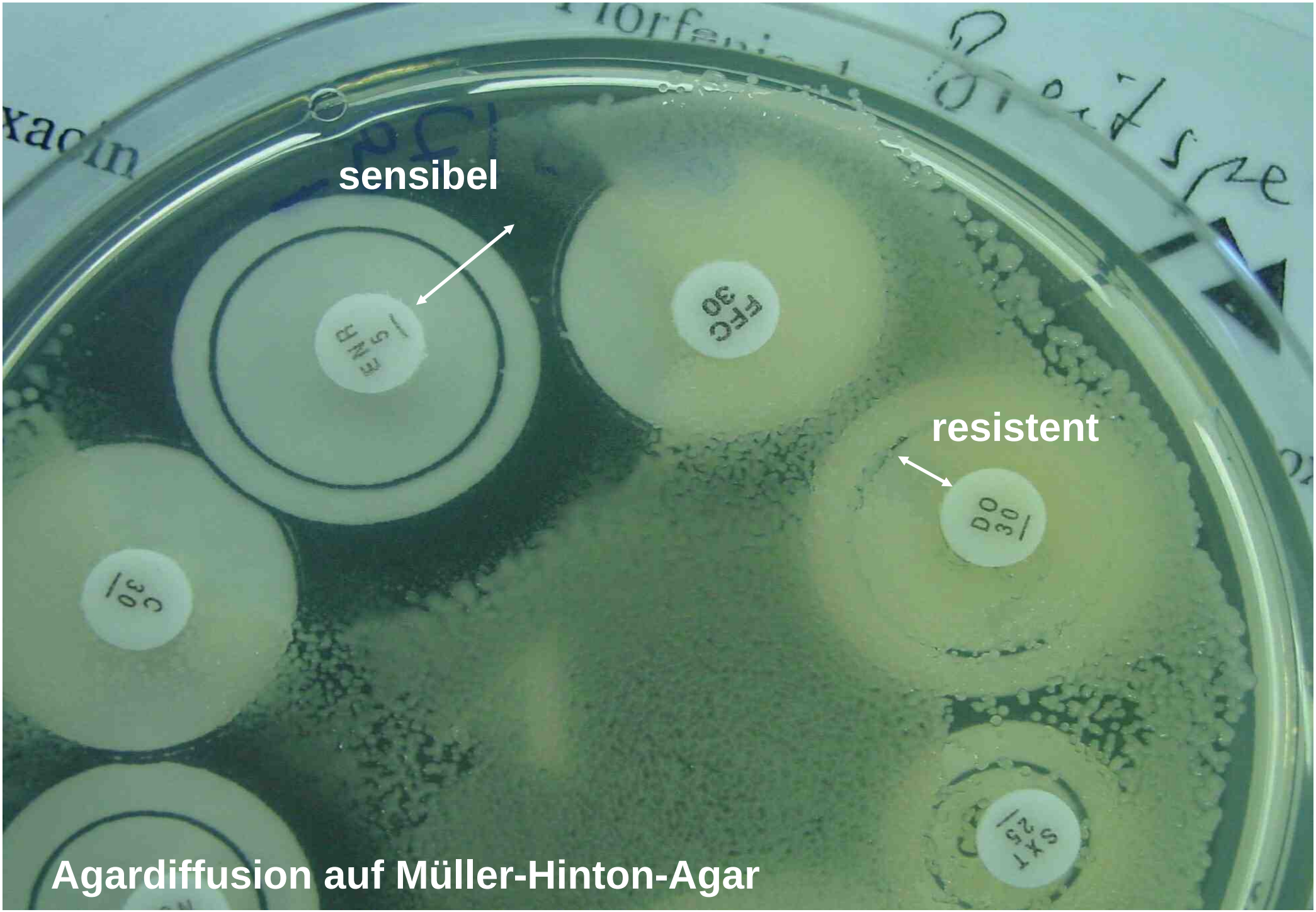
Pseudomonas aeruginosa

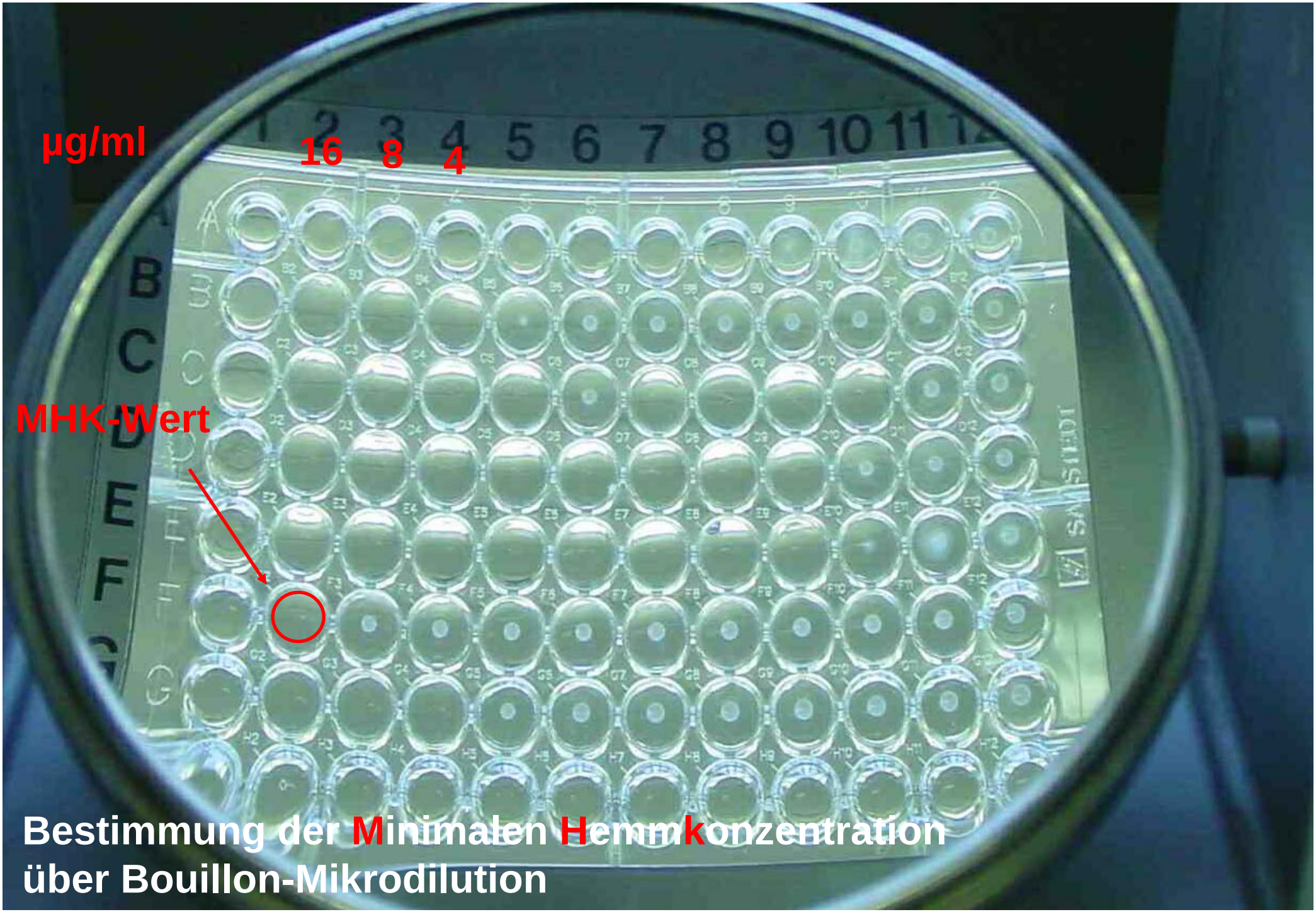
Nähragar


Pseudomonas aeruginosa
Gassner-Agar
Rambach-Agar

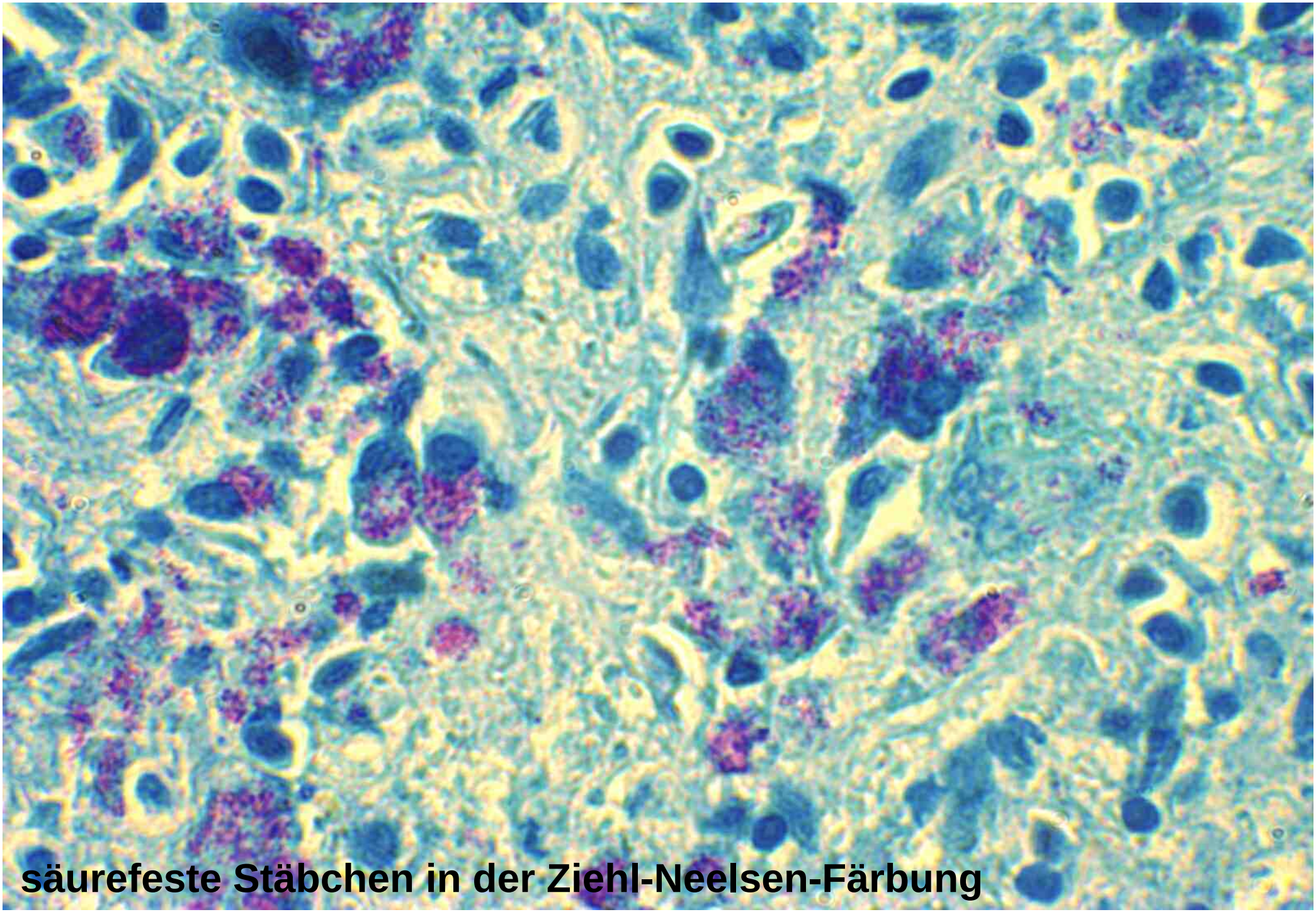


Pseudomonas aeruginosa


sensibel
resistent
Agardiffusion auf Müller-Hinton-Agar

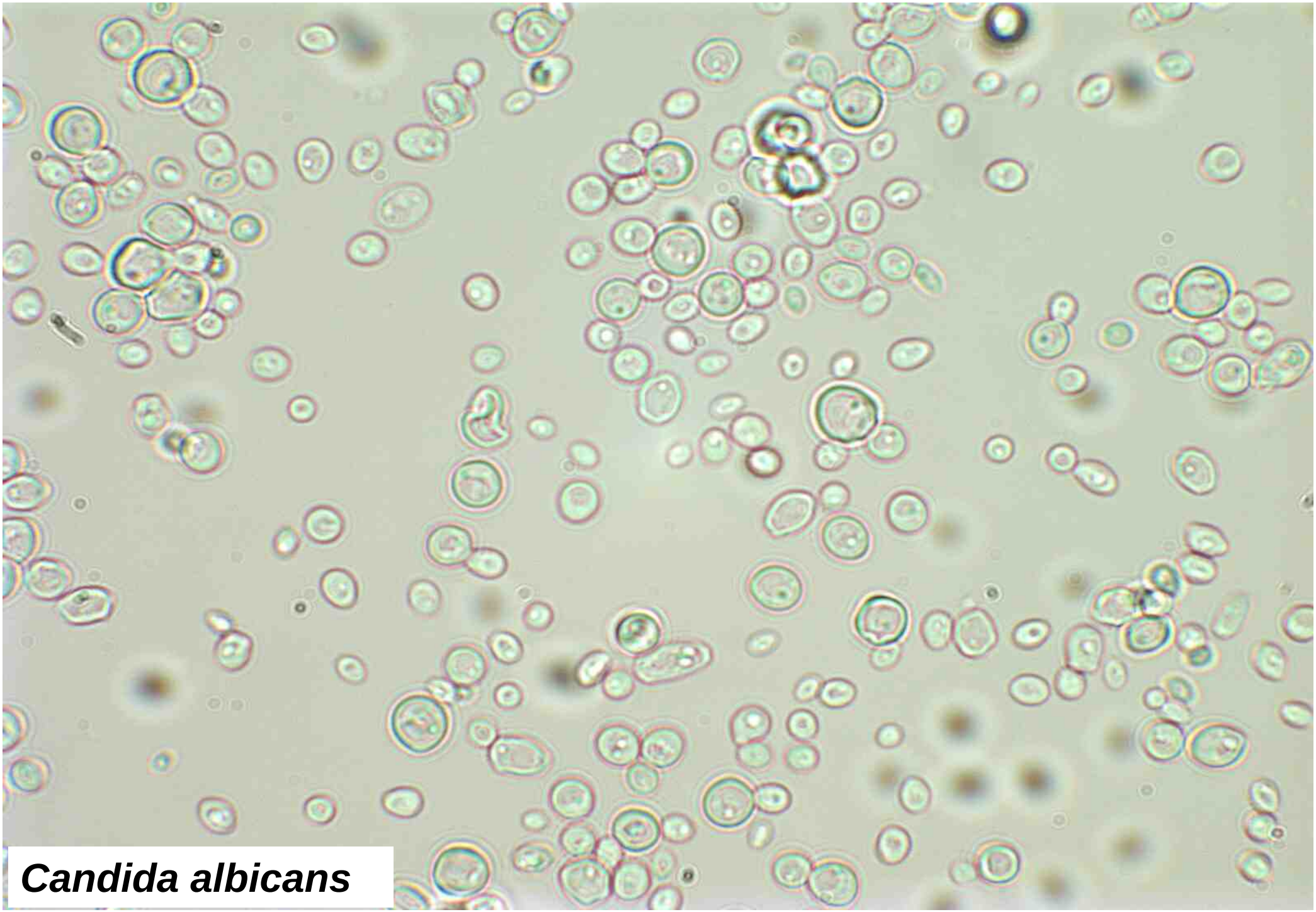


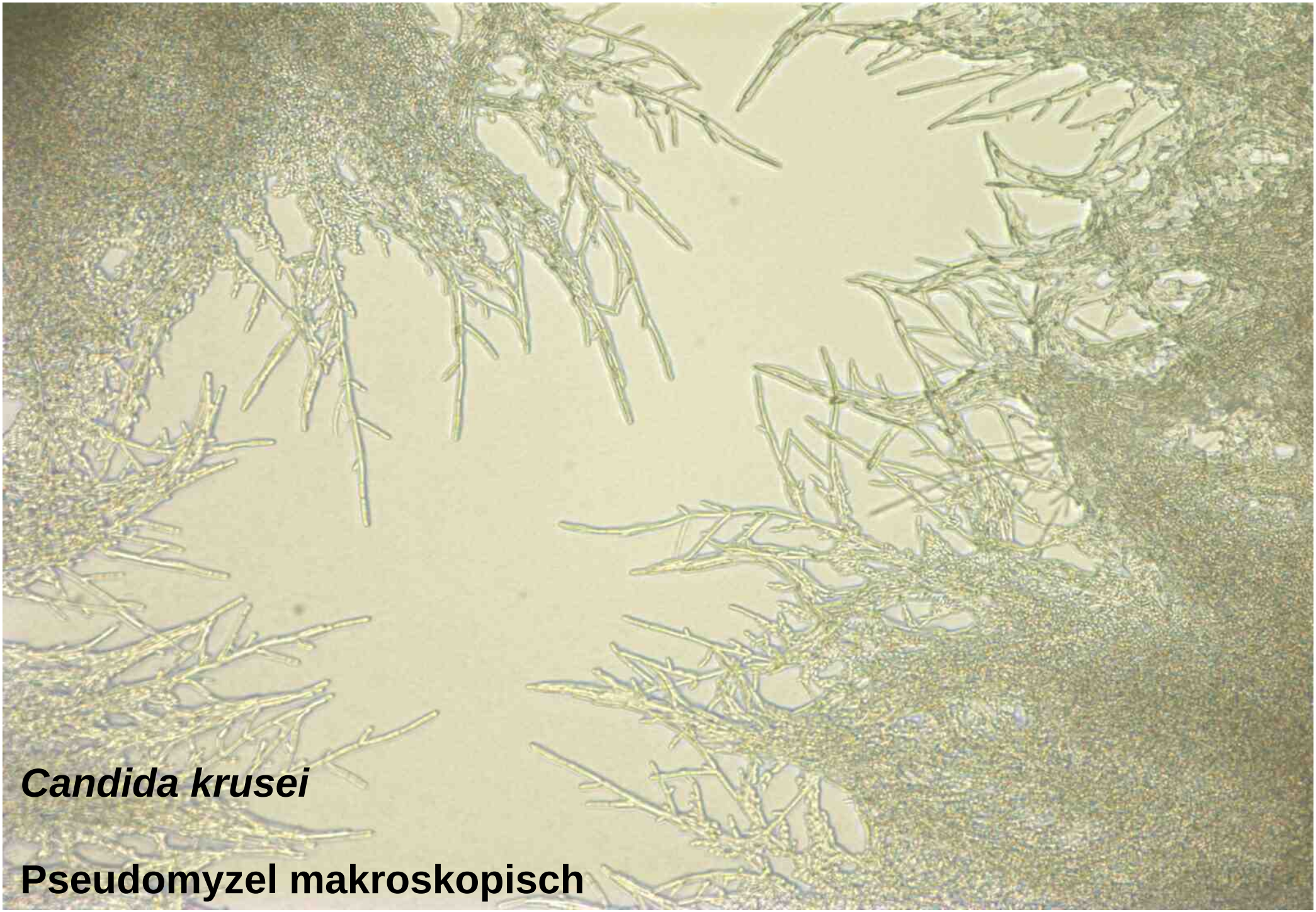
Bestimmung der Minimalen Hemmkonzentration über Bouillon-Mikrodilution



säurefeste Stäbchen in der Ziehl-Neelsen-Färbung


Candida albicans
Sabouraud-Agar


Candida albicans



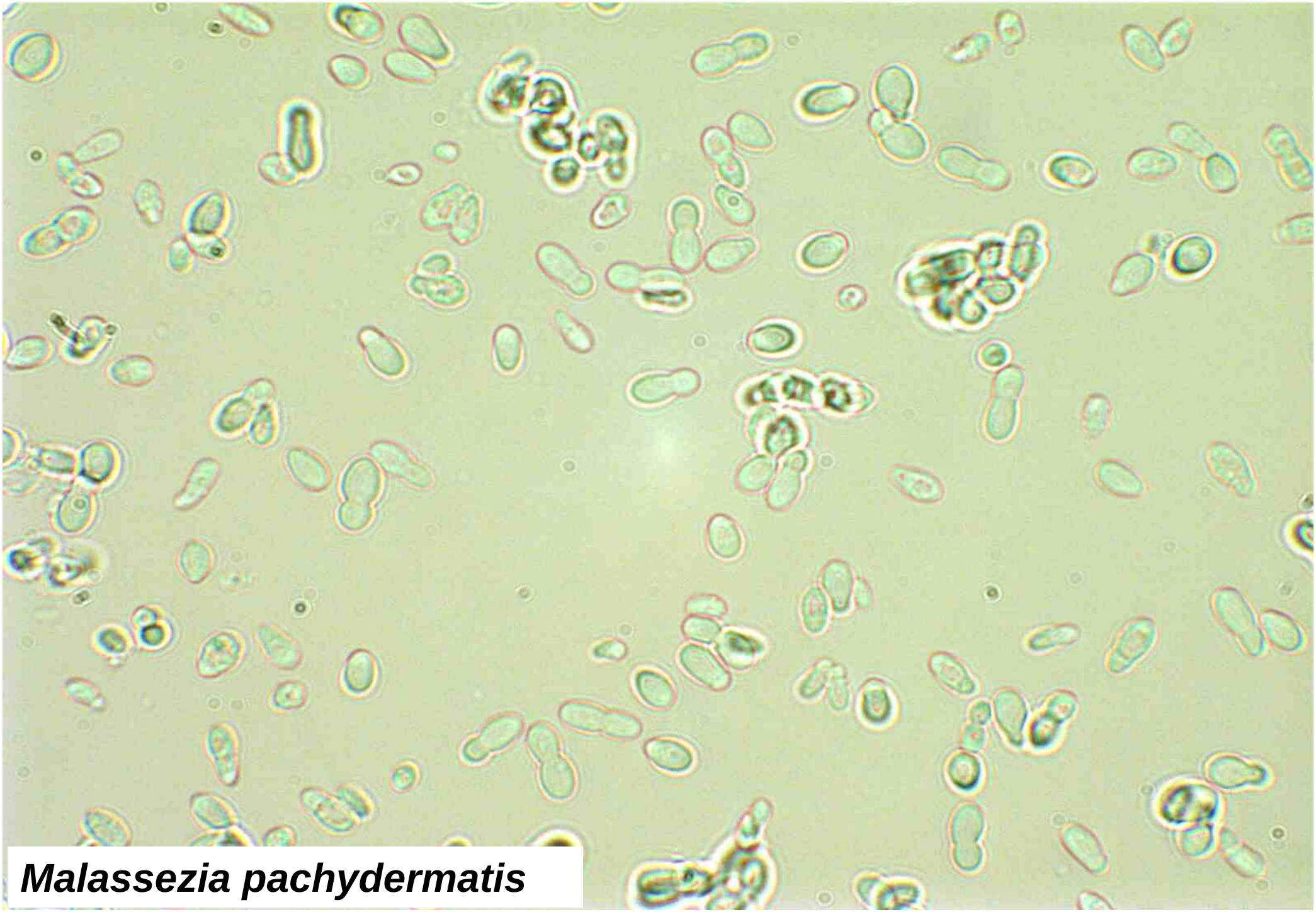
Candida krusei

Pseudomyzel makroskopisch

Candida krusei

Pseudomyzel mikroskopisch

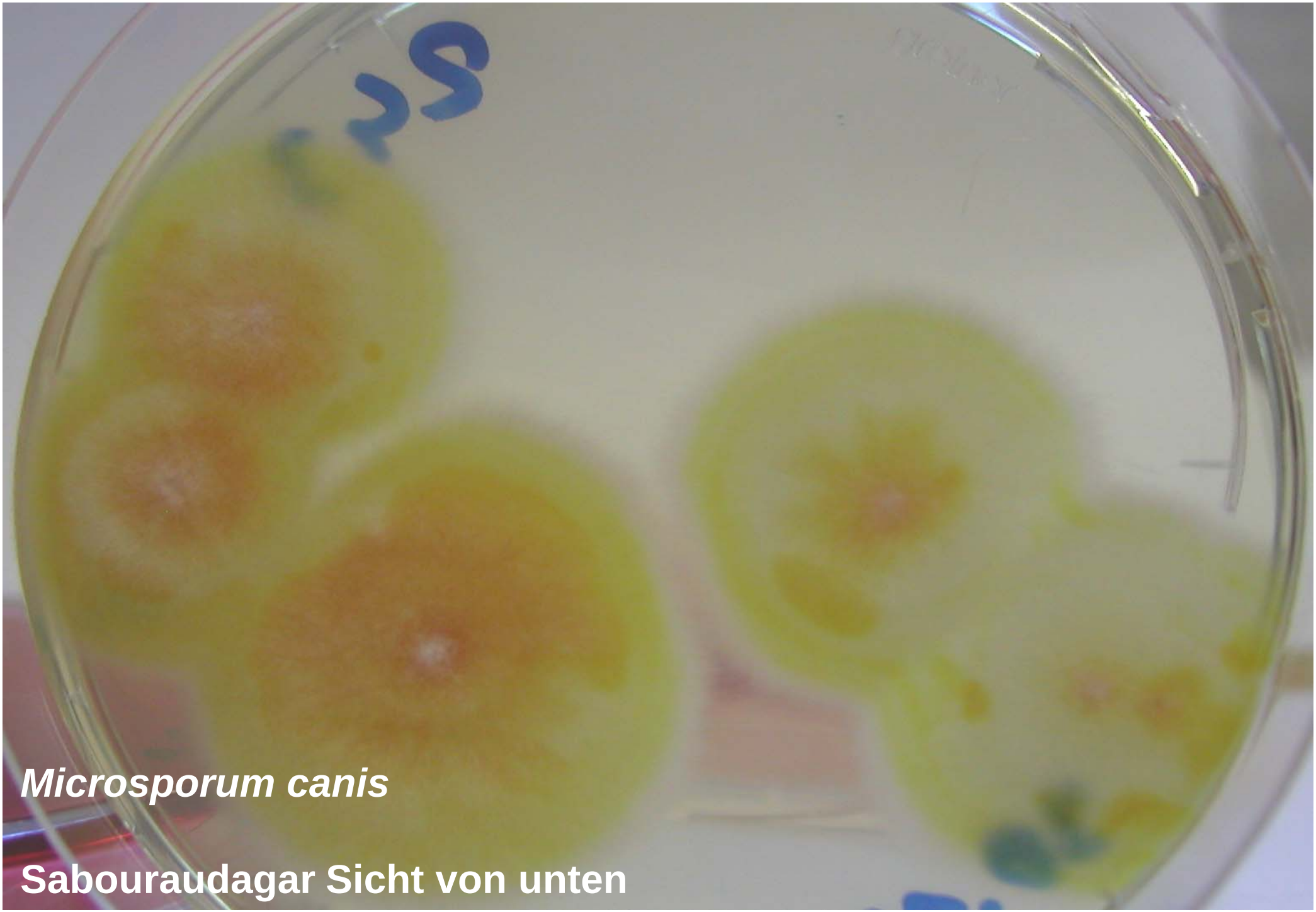

Malassezia pachydermatis
Sabouraud-Agar



Malassezia pachydermatis

***Microsporum* spp.**

Sabouraudagar Aufsicht



Microsporum canis

Sabouraudagar Sicht von unten

Microsporum canis

Makrokonidien

Microsporum gypseum

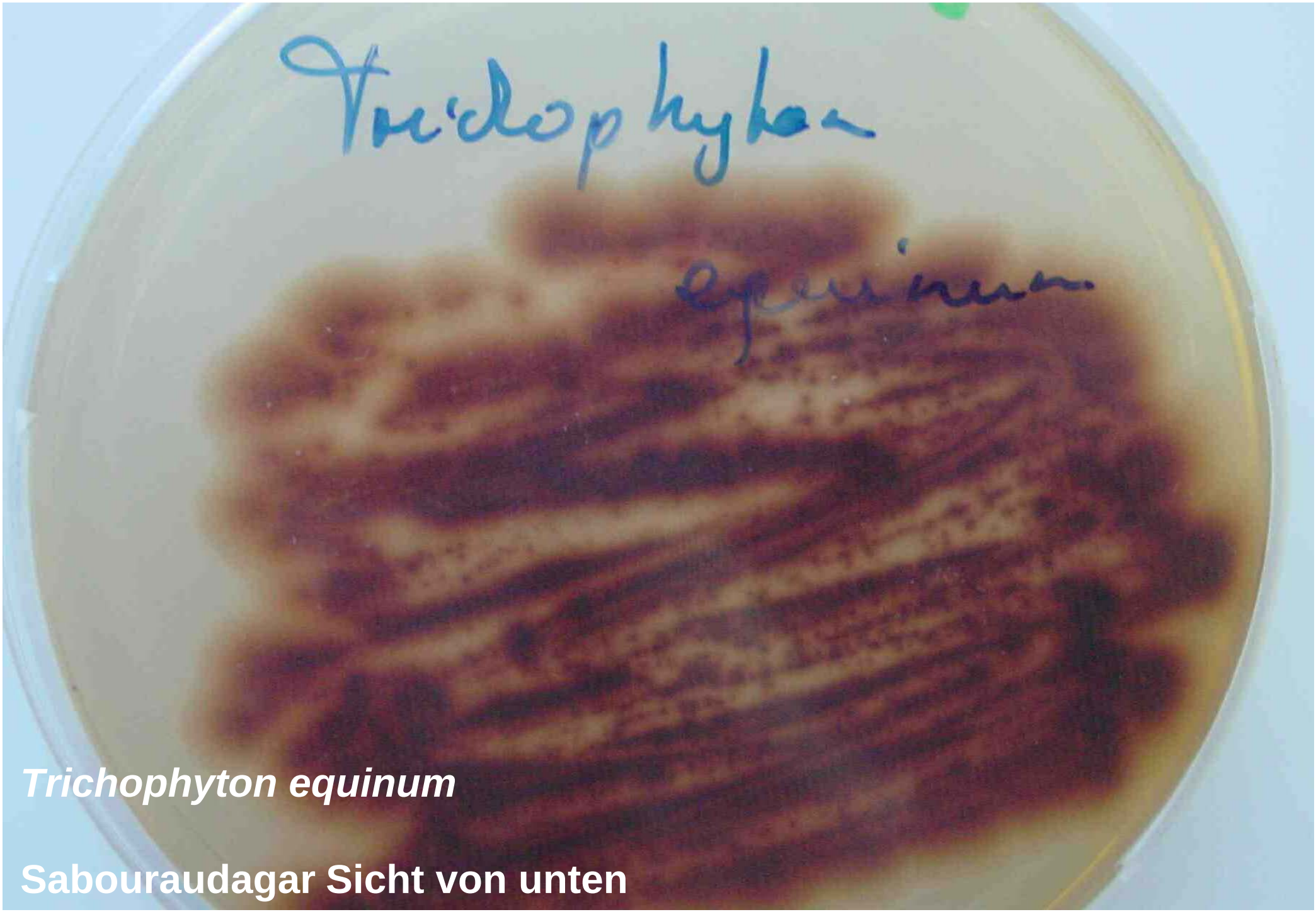
Makrokonidienbildung

Microsporum gypseum

Mikrokonidienbildung

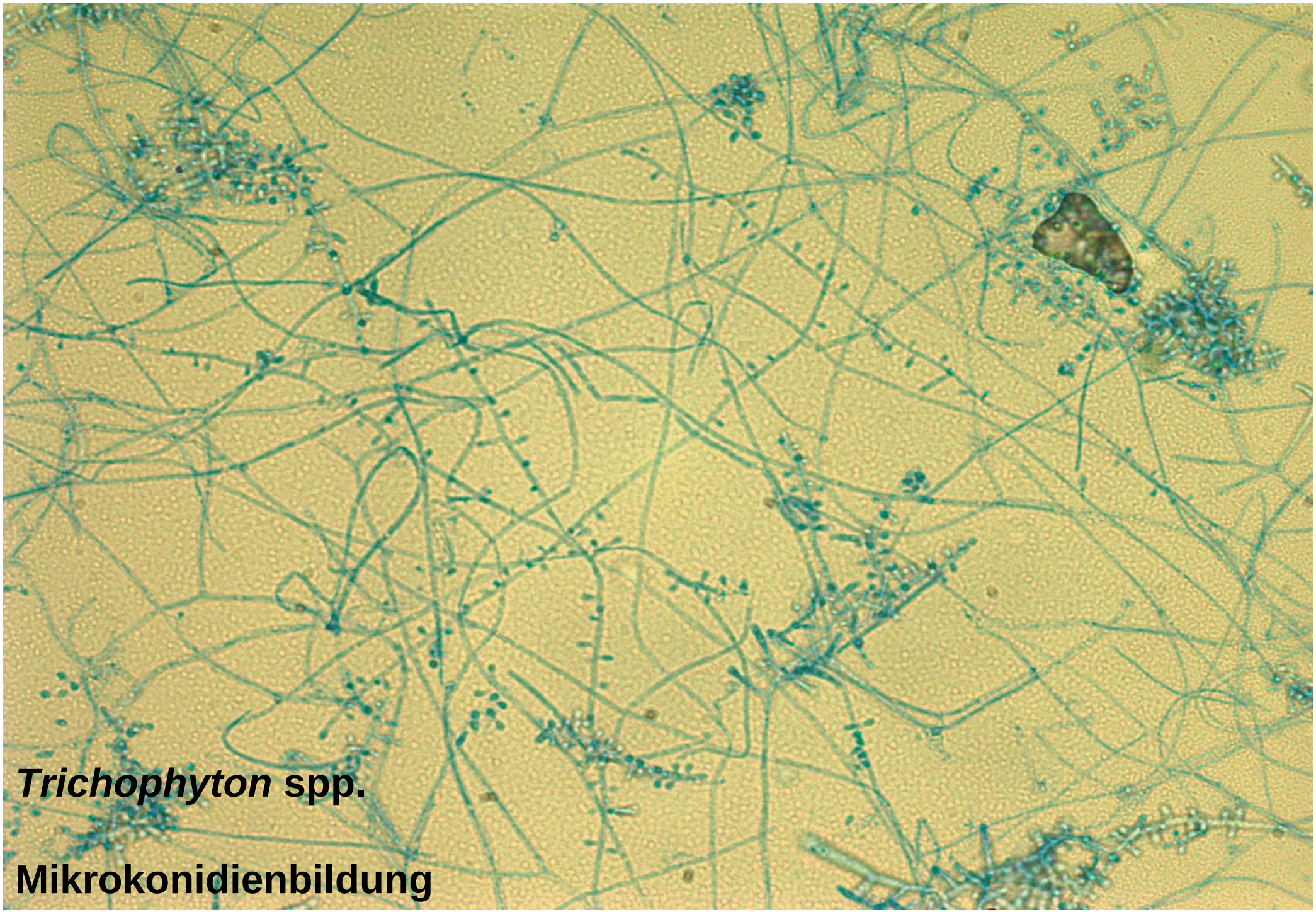
***Trichophyton* spp.**

Sabouraudagar Aufsicht



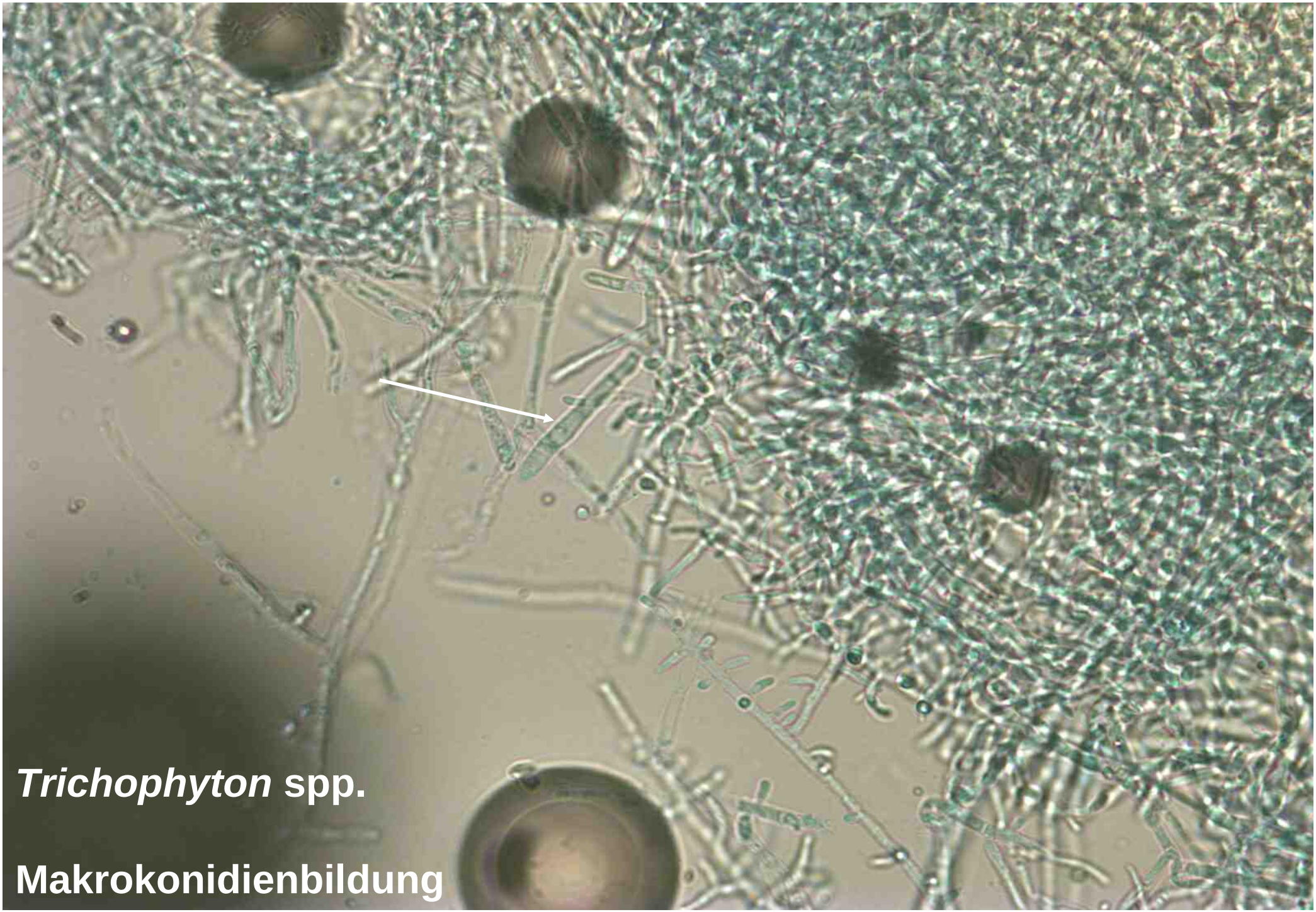
Trichophyton equinum

Sabouraudagar Sicht von unten



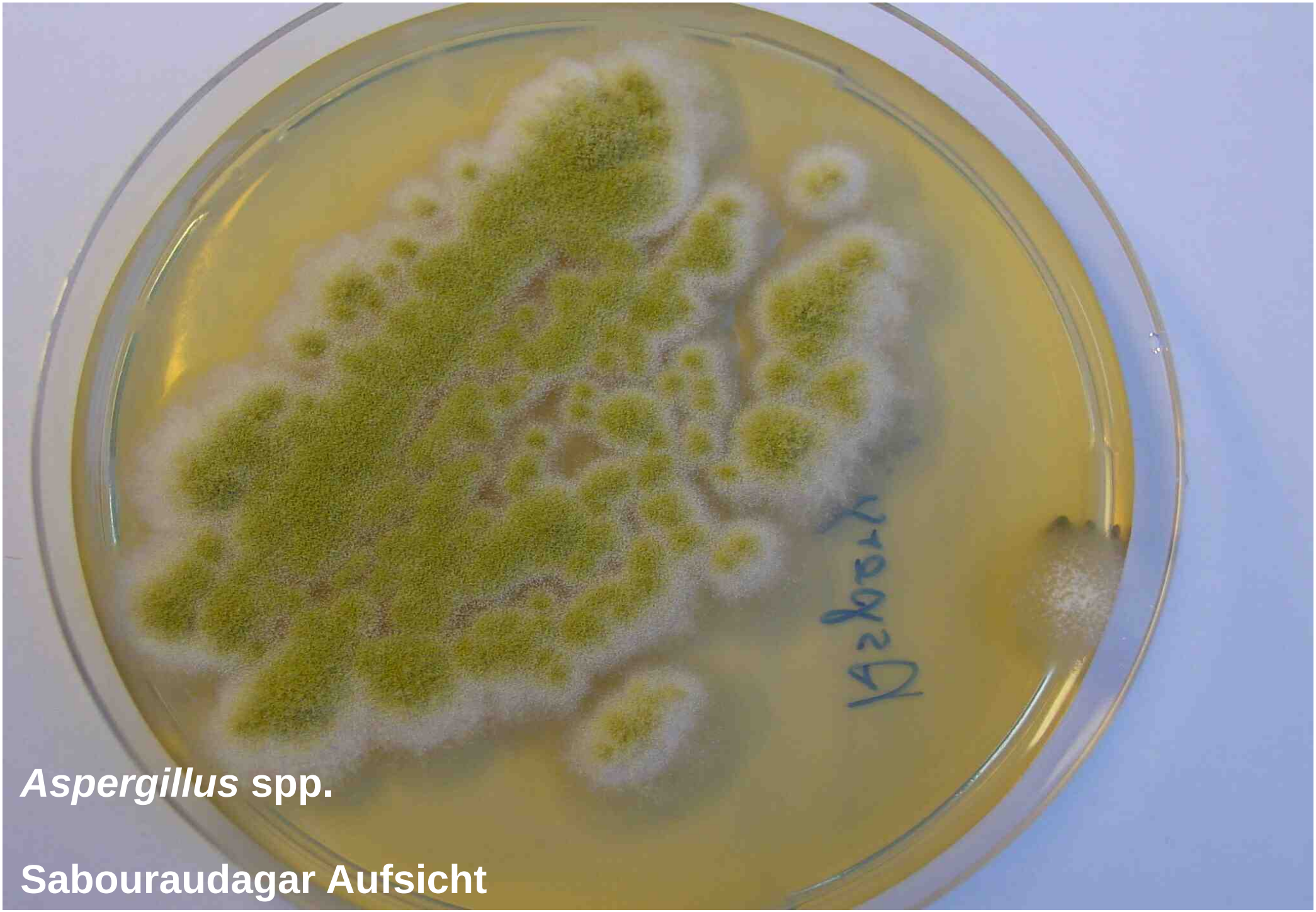
***Trichophyton* spp.**

Mikrokonidienbildung



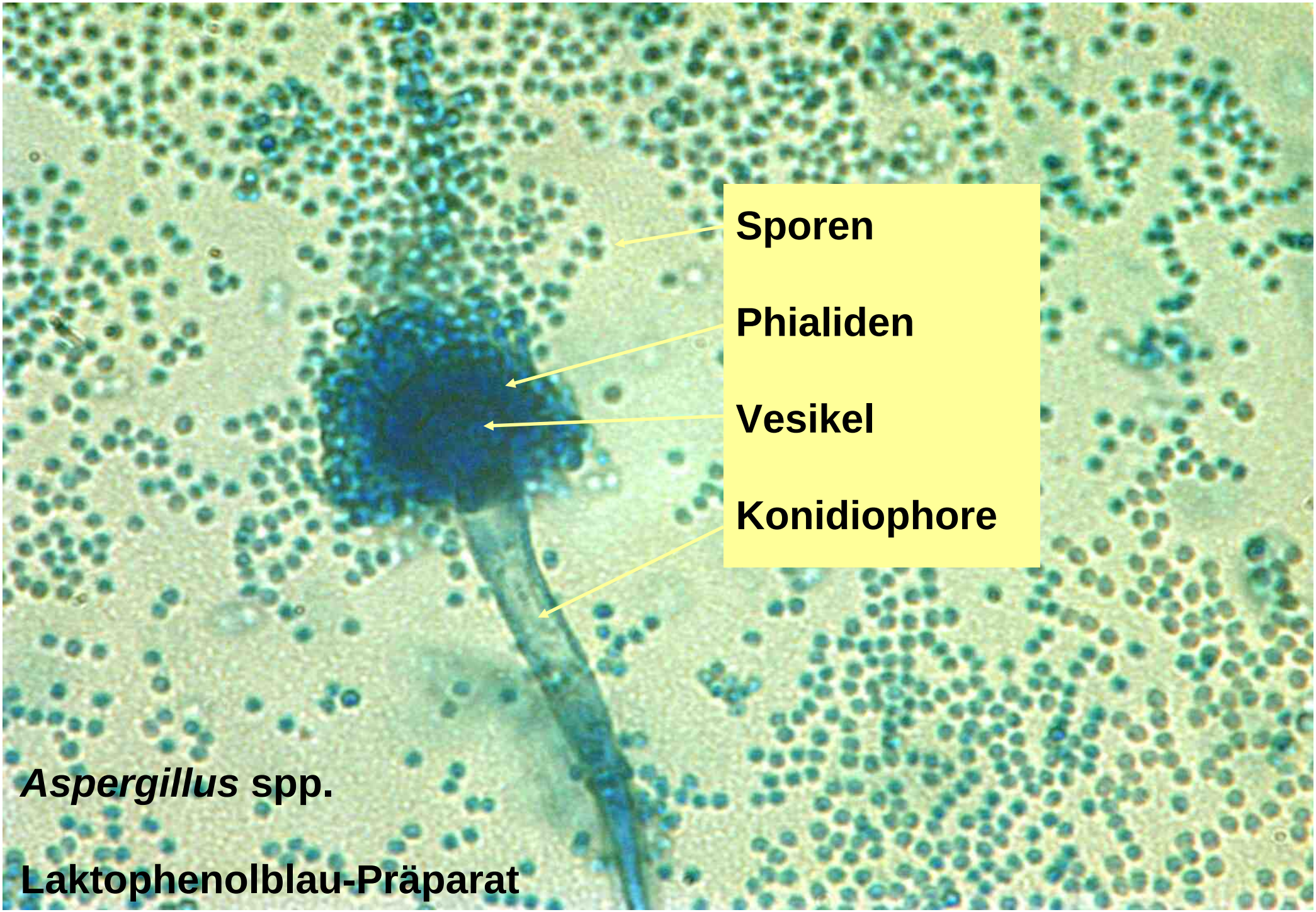
***Trichophyton* spp.**

Makrokonidienbildung



***Aspergillus* spp.**

Sabouraudagar Aufsicht



***Aspergillus* spp.**

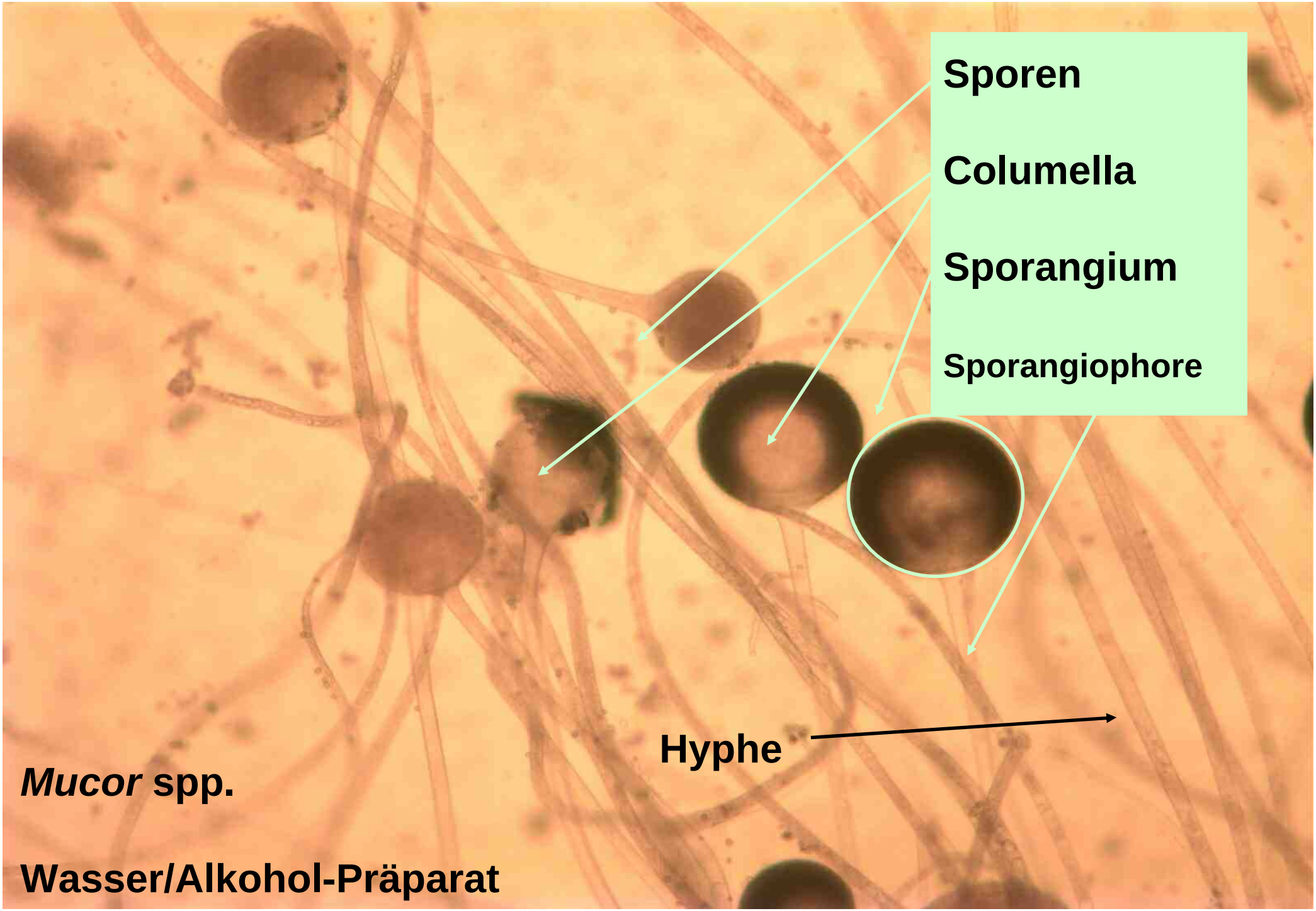
Laktophenolblau-Präparat

***Mucor* spp.**

Sabouraudagar Aufsicht

***Mucor* spp.**

Sabouraudagar seitliche Sicht - Luftmyzel



Mucor spp.

Wasser/Alkohol-Präparat