diagnostics
with passion

CULTURE MEDIA

Supplemented Liver/Thioglycolate Medium acc. to Frommelt

Periprosthetic infection

Medium & supplement

High culture rate

Optimised medium for the cultivation of biofilm-relevant pathogens

- Microbiological diagnostics for periprosthetic infections
- Combination of Liver/Thioglycolate Medium and Growth Supplement
- Reduction of cultivation period, especially for anaerobic pathogens

sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 700 144-0 | F: +49 30 700 144-30 | info@sifin.de | www.sifin.de

diagnostics with passion

Workflow

Heat
at 90 - 98 °C for 10 - 30 min,
slightly loosen lid before

Cool
down to 40 - 45 °C

Supplement
add 2 ml growth supplement

Sample
add clinical sample material

Incubation
incubate at 36 °C

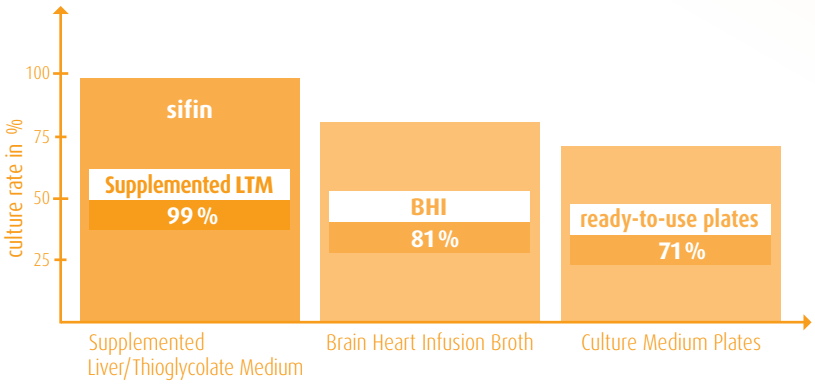
Growth
aerobic in upper area
anaerobic in lower area

Supplemented Liver/Thioglycolate Medium acc. to Frommelt

Product	Art. No.	Packing
Liver/Thioglycolate Medium Storage at 10 - 25 °C, light protected	TN1752-01 TN1752	20 tubes à 7 ml 100 tubes à 7 ml
Growth Supplement Storage at 2 - 8 °C, light protected	TN1754	100 ml

Culture media comparison

Culture rates of different culture media of 186 confirmed periprosthetic infections
Combination of sonicate fluid and tissue sample [3]



Literature

1) Brewer, J. H., Clear liquid medium for the "aerobic" cultivation of anaerobes. Journal of the American Medical Association 1940, 115, 598-600

2) Rieber, H. et al., Periprosthetic joint infection caused by anaerobes. Retrospective analysis reveals no need for prolonged cultivation time if sensitive supplemented growth media are used. Anaerobe 2018, 50, 12-18

3) Rieber, H. et al., Microbiological diagnosis of polymicrobial periprosthetic joint infection revealed superiority of investigated tissue samples compared to sonicate fluid generated from the implant surface, International Journal of Infectious Diseases 2021, 106, 302-307

Date of revision: 09/04/2021