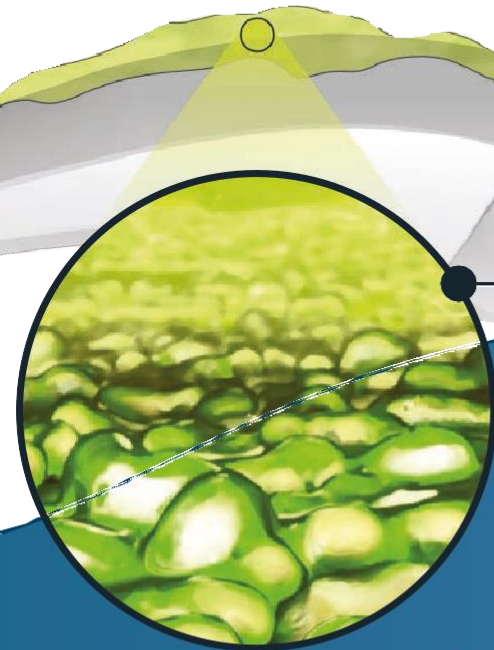
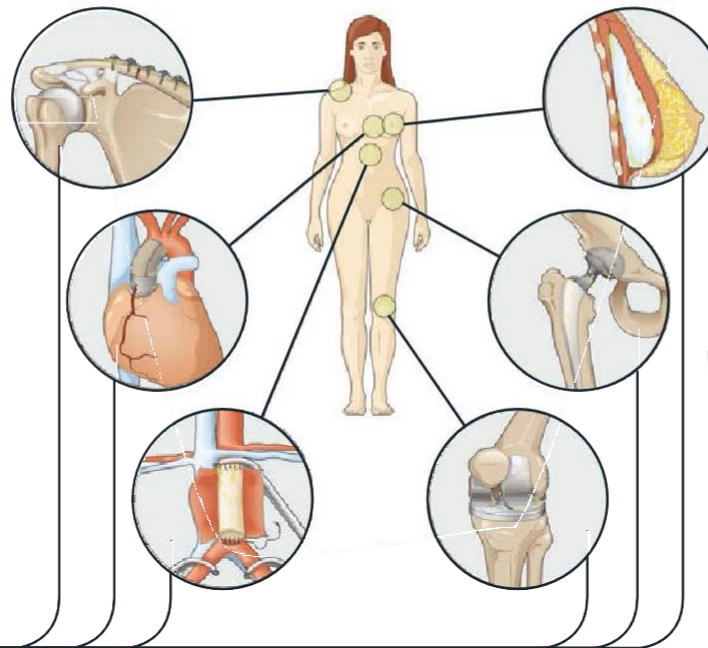


WHAT IS IT FOR

It raises the sensitivity and specificity of the diagnosis of biofilm-related infections to 98% [1]. Our fully closed-loop MicroDTTect device chemically acts on the bacterial biofilm present in surgical explants, allowing precise identification of the strain responsible for the infection. This translates into a significant reduction in time and costs associated with infections, thanks to the provision of accurate diagnoses and targeted treatments.

AREAS OF INTEREST



(*) BIBLIOGRAPHY



Manufacturer:



info@tecnolinemed.com

+39 0535 40312

Via A. Gelatti 11/A e 18 41033
Concordia sulla Secchia (MO)

www.tecnolinemed.com

Manufactured for:



info@novahealthsrl.com

030 72 83 433

Via Bonfadina nr. 65/67
25046
Cazzago San Martino (BS)

www.novahealthsrl.com

	SENSIBILITY	SPECIFICITY	POSITIVE PREDICTIVE VALUE	PREDICTIVE NEGATIVE VALUE	ACCURACY
DTT	85.7%	94.1%	94.7%	84.2%	89.5%
Sonication	71.4%	94.1%	93.7%	72.7%	81.6%
Tissue cultures	71.4%	76.5%	78.9%	68.4%	73.7%

Drago et al., Clin Orthop Relat Rec, 2012

NH
microDTTect



WHAT IS IT

MicroDTTect is an advanced infection management device, operating in a fully closed-loop system, it allows samples to be collected, transported and processed directly from the operating field to the microbiology laboratory, preserving the integrity of the samples and preventing any form of contamination throughout the entire process. Thanks to an innovative chemical method, the device effectively extracts bacteria from the biofilm, allowing for the accurate detection of microorganisms.

← OUR STRENGTHS →

HOSPITAL



- **Cost reduction:** The accuracy of the diagnosis allows the reduction of costs because each missed diagnosis has a cost of 5-6 times higher than the cost of the first implant (*).

- **Improved performance:** The device allows collection, transport and processing to be carried out in a single solution, providing more accurate results because there is no risk of contamination of the explanted samples.

- **Broad Areas of Use:** Orthopaedics Neurosurgery, Spinal Surgery, Plastic Surgery, Cardiac Surgery, Maxillofacial Surgery, Vascular Surgery, Biopsies, etc...

OPERATION ROOM



- **Avoid Cross Contamination:** Protects samples from any possible contamination at every step from collection to processing.

- **Highly simplified extraction procedure of infected suspects:** The surgeon inserts everything that is potentially infected inside the device (tissues, prostheses, valves, pacemaker etc...)

- **Its dynamic design** allows the removal of the type/size of explants thanks to the three formats of 50ml, 100ml and 150ml.



LABORATORY



- **Eliminates technical dependence** on other procedures.

- **The closed system facilitates transport from the room to the lab**, ensuring that the explanted materials have not been compromised or contaminated.

- **Reduced time** thanks to the fluidity of the procedure.

- **Possibility of carrying out sample processing in 24, 48 and 72 hours** by applying the storage protocols attached to the device without compromising the outcome.

- **The design of the final tube was conceived in accordance with the needs of laboratory practices.** It has an upper access for the collection of the supernatant and a glass sphere that facilitates the detachment of the pellets. The pellets thus obtained can be withdrawn through a Luer Lock access located at the bottom of the tube, using a syringe. This pellet will be used in the planting protocols adopted by the facility. The eluate, which does not require centrifugation thanks to the protective jacket, can be directly used to inoculate blood culture bottles intended for both aerobes and anaerobes.

REF	DESCRIPTION
DTT05010	microDTTect (50 ml), 1 tube
DTT10020	microDTTect (100 ml), 2 tubes
DTT15030	microDTTect (150ml), 3 tubes