



USER MANUAL

CLEANtest U

Indicator for routine testing of the effectiveness
of ultrasonic cleaning devices

Preliminary remarks on ultrasonic cleaning

Ultrasonic cleaning is a very effective method for removing dirt from hard-to-reach areas.

Ultrasonic cleaning devices are used in the reprocessing of medical devices for manual cleaning or pre-cleaning. This effectively removes blood and tissue residues from the joints of instruments and hollow bodies. However, they are not part of the DIN EN ISO 15883 series of standards.

The principle of ultrasonic cleaning technology is based on cavitation. In this process, a cleaning fluid is stimulated by ultrasonic waves so that small bubbles, so-called cavitation bubbles, are formed. The bubbles implode, thus removing the deposited dirt particles without the need for abrasive chemicals. Cavitation is therefore the mechanical factor in ultrasonic cleaning.

For greater effectiveness, suitable cleaning agents should be used.

Notes on the use of cleaning indicators

Cleaning indicators are designed to reproducibly test the effectiveness of all cleaning factors: time, mechanics, temperature, and cleaning agents.

The specially developed CLEANtest U cleaning indicators with the corresponding test device [Article No. R051UPK], which simulates a difficult-to-access instrument, meet these requirements.

The foil test recommended in the Guidelines for the Validation of Manual Cleaning and Manual Chemical Disinfection of Medical Devices (IEC/TR 60886:1987-03) is intended for functional testing only (see recommendation of the Quality Committee).

Instructions for use of the CLEANtest U cleaning indicators

The CLEANtest U cleaning indicator is inserted into the slot of the test specimen pin. Make sure that the green test soil faces the flushing channel.



The test object is screwed together and placed in the basket containing the instruments.



Assessment of the CLEANtest U indicators

Appearance of the indicator	Possible reasons	Action
No green test soiling remains present	Process flow OK	None
The green test soiling is still completely intact	No or insufficient mechanical impact from ultrasound	Testing of the devices functionality
Remains of the green test soil	Insufficient dirt removal by the cleaning agent	Checking the cleaning parameters



Storage conditions for environmental protection

CLEANtest U cleaning indicators must be stored in a sealed foil pouch after each use at room temperature and a relative humidity of 30 to 60%.

All CLEANtest cleaning indicators do not contain any toxic or water-polluting substances.