



Tuttnauer

Biological, Chemical and Cleaning Indicators

Ensuring safe, reliable and timesaving
processing and sterilization



Comprehensive Line of Indicators for Hospitals, Medical Practices,
Laboratories and Dental Clinics

Uncompromising Performance

Based on our decades of infection control knowledge and experience, Tuttnauer delivers a comprehensive range of indicators for the precise monitoring and control of hygiene, cleaning, disinfecting, processing and sterilization:

- ◆ **Time saving and effective** – Choose from our complete range of regular, rapid and super rapid indicators
- ◆ **Reliable and consistent** – Tuttnauer indicators deliver accurate and dependable performance for the safety of your team and patients
- ◆ **Easy to use** – All Tuttnauer indicators are simple to use, read and record, saving you time, expense and worry
- ◆ **Non-toxic materials**, for the safety of your teams, your patients and the environment
- ◆ **Extended shelf life** – For guaranteed performance quality after purchase, reducing waste and unnecessary expenses
- ◆ **High quality** – Our indicators meet strict international standards, including the ISO 13485:2016 / NS-EN ISO 13485:2016 Quality Management System Standard, granted by the DNV International Certification Body

Comprehensive Indicator Lines

Tuttnauer delivers a full range of reliable and stringent indicators for complete infection control



Biological indicators



Chemical indicators



Cleaning indicators



Control Kits

◆ Hospitals ◆ Laboratories ◆ Dental Clinics ◆ Medical Practices

Cleaning Indicators

Tuttnauer cleaning indicators enable the routine monitoring of washing/disinfection processes in automatic machines and with different washing and thermo-disinfection configurations.

- ◆ **Strict quality standards**, in line with the ISO 15883 standard requirements
- ◆ **Complete control of the washing cycle**, including the monitoring of thermal disinfection
- ◆ **Vital stage**, for ensuring the success of the subsequent sterilization and disinfection processes.
- ◆ **High reliability levels**, detecting deficiencies in the cleaning and disinfection process
- ◆ **Long shelf-life**, to decrease waste and costs and enhance safety



**For Washers
and Endoscope
Reprocessors**



WTL 198-0061

High Challenge Level

Conditions: ≥ 35 kHz;
30°C–70°C



WTL 198-0062

Very High Challenge Level

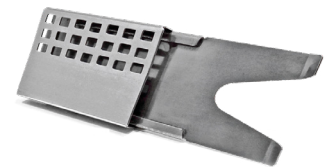
Conditions: ≥ 35 kHz;
30°C–70°C



WTL 198-0063

**For control of thermal
disinfection processes**

5 mins, 90°C



WTL 198-0065

Cleaning Indicator Holder

For:

WTL198-0061

WTL198-0062

WTL 198-0066

**For monitoring Automated
Endoscope Reprocessors**

Cleaning challenge device capsule for
housing the cleaning indicator strip.



Biological Indicators

Tuttnauer delivers highly reliable biological spores for the routine monitoring of sterilization processes to ensure the elimination of highly resistant bacteria on reusable tools and instruments

- ◆ **Strict quality standards**, in line with the ISO 11138 standard requirements
- ◆ **Simple to use**, easy to read and document
- ◆ **Results in record time**, enabling quicker release of processed and sterilized loads
- ◆ **Complete line of indicators**, for steam and plasma processing and sterilization and with regular, fast and super rapid readouts
- ◆ **Fluorescence technology**, providing necessary information within necessary time
- ◆ **Fluorescence incubators**, for convenient incubation and readout
- ◆ **Traceability software**, sending readouts and relevant information on your computer



WTL198-0056
(24 hours)

Self-contained biological indicator for vacuumassisted and gravity air displacement processes
121°C-135°C



WTL198-0059
(48 hours)

Self-contained biological indicator for plasma sterilization processes



Conventional incubation times



PLZ198-0005

Dual incubator for
WTL198-0056 (steam)
WTL198-0059 (VH₂O₂)
37±2°C – 60±2°C



WTL198-0147

Temperature Sensing Probe
For calibrating biological indicator reader devices.
From -50°C to +150°C

Speed up your workflow with our super-rapid biological indicators and reader



Super rapid
incubation times



WTL198-0058
Super Rapid (1 hour)

Fluorescence system for
vacuum-assisted and gravity air
displacement processes
121°C–135°C



WTL198-0067
Super Rapid (30 minutes)

Fluorescence system for
plasma or VH_2O_2 processes



WTL198-0057
Mini-Bio

Fluorescence incubator
auto-reader for **rapid** biological
indicators:

WTL198-0058 (steam)

WTL 198-067 (VH_2O_2)

Mini-Bio (WTL198-0057)

Easy to use: Allows quick, accurate and reliable detection of positive and negative results with no need for routine maintenance

Automatic readout: Automatically detects the placed indicator and provides a readout

Optimization of incubation times: Enables simultaneous incubation of up to three biological indicators and different incubation times

Reading and traceability software: USB connection for PC record keeping

Recording results: Document sterilization results in a record log, using a thermal printer



Chemical Indicators

Tuttnauer high quality chemical indicators monitor the vital physical conditions within the sterilization machine, including cycle time, temperature and pressure – ensuring they are intact and up to standard.

- ◆ **Strict quality standards**, in line with the ISO 11140 standard requirements
- ◆ **Easy to use**, simple to interpret and document
- ◆ **Highly sensitive**, providing accurate and reliable results
- ◆ **Metal-free ink**, for the safety of your team and patients



**For Steam
Sterilization
Processes**



WTL198-0055

Type 4
Multivariable indicators for internal use. Simple and double strips



WTL198-0068

Type 5 integrating indicators
Can react to all critical process variables



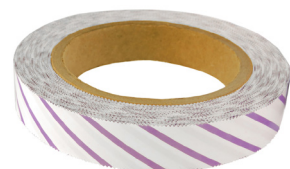
WTL198-0053

Type 1 process indicators
Self-adhesive tape, placed outside the pack, for differentiating between processed and unprocessed loads



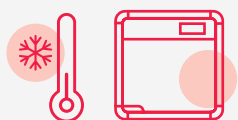
PLZ198-0002

Type 4
Multivariable indicators for internal use. Simple and double strips



PLZ198-0003

Type 1 process indicators
Self-adhesive tape, placed outside the pack, for differentiating between processed and unprocessed loads



**For Plasma
Sterilization
Processes**

Control Kits

Tuttnauer Pre-Sterilization Bowie-Dick and Helix Tests

Type 2 Chemical Indicators



WTL198-0159

Helix-PCD + Bowie-Dick simulation test strips kit

- For monitoring vacuum-assisted steam sterilizers
- Autoclave release for hollow loads in large and small vacuum-assisted steam sterilizers
- Conditions: Bowie-Dick cycle, 3.5 minutes at 134°C



WTL198-0161

Helix-PCD + chemical indicator test strips kit

- For safe release of hollow loads
- Process Challenge Device for Steam sterilization process control
- Conditions: 18 mins at 134°C



WTL198-0158

Bowie-Dick test pack chemical indicator

- For detecting inadequate air removal and steam penetration
- Test pack for vacuum-assisted steam sterilizers
- Conditions: 16.9 mins at 121°C; 4 mins at 132°C; 3.5 minutes at 134°C



WTL198-0160

Helix-PCD + chemical indicator test strips kit

- For safe release of hollow loads
- Process Challenge Device for steam sterilization processes control
- Conditions: 3.5 mins at 134°C

Cost-effective and reliable autoclave monitoring before and during sterilization cycles

Your one-stop-shop for all your infection control needs



T-Edge



Washer TIVA2



HOR



HSG

Tuttnauer delivers seamless end-to-end solutions for achieving sterility assurance

Renowned global leaders in infection control solutions with more than

90 years' experience

Products distributed to clinics, hospitals and research institutions in more than

140 countries

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