

## Our Solutions for the Life Sciences Industry

In today's economy, where time to market needs to be reduced and expansion needs to be accelerated, single use systems play a crucial role. Improvements in cell culture processes and the growth of personalized medicine will further strengthen the position of single use technology.



## Integrity Testing – Key to an efficient Production

Developed solely for integrity testing of various products within the life sciences industry all ZELTWANGER systems exceed expectations in reliability, precision and efficiency.

Pressure decay tests are vital at different steps in the production cycle and offer a cost efficient way to ensure that the integrity of single use components is still valid.



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**LTT EUROPE**  
LEAK TESTING

**ZELTWANGER**

# LIFE SCIENCE SOLUTIONS

## Integrity Testing in the Life Sciences Industry



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# A HOLISTIC VIEW ON INTEGRITY TESTING

Ensuring Integrity from Manufacturing of Single Use Systems to Commercial Production of Biopharmaceuticals.

The life sciences sector pushes boundaries and so does the manufacturing equipment. Integrity testing is playing a vital role in such a critical environment. To fulfil the needs of this industry ZELTWANGER combines its extensive knowledge in integrity testing with its vast experience in the life sciences industry.

## Developed for the Life Sciences Industry

All life sciences devices use stainless steel 316 couplings as well as valves, housing and other components specifically designed for clean rooms. Sealings are made out of USP class VI silicone to fully satisfy the needs of the life science industry.

Medical grade 0.2 µm air filtration units complement our systems.



## Your Partner

The shift to single use systems in more and more process steps like filling or formulation requires end users and suppliers to collaborate closely. Sharing the responsibility for quality, additional measures are necessary based on a risk assessment approach.

One major pillar of this approach are technologies and solutions for integrity testing. Having an experienced partner to further improve production and increase efficiency is a big step to ensure fast, reliable and sustained supply of biopharmaceuticals.

## Worldwide support

Highest accuracy throughout the entire life cycle – The best performance is guaranteed by annual calibration according to ISO17025, performed by our trained staff in our certified laboratory or on site.

With decades of experience ZELTWANGER and L.T.T. Europe fully support customers worldwide from development through validation to production. Step by step from first tests in our laboratory to a fully validated process – assisted by our service engineers.

