



Infinity Automation Systems Pvt. Ltd.

Leak Testing for Single-Use Bags

LT-5000 FLEXITEST

"Ensuring Integrity in Every Single-Use Bag"



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INTRODUCTION



- Single-use bags are widely used in pharma & biotech for media storage, transport, and critical sterile operations. Ensuring their integrity is essential for patient safety and regulatory compliance.
- Infinity's LT-5000 FlexiTest platform provides advanced, non-destructive leak testing solutions specifically designed for single-use systems (SUS).

TECHNICAL SPECIFICATIONS (SAMPLE)

- Test Method: Vacuum decay / Pressure decay
- Sensitivity: Down to 1 μm defect (depending on size & volume)
- Accuracy: $\pm 0.075\%$ FS with Setra/Festo sensors
- Bag Sizes: 50 mL to 200 L
- Control System: 10" touch HMI, Windows-based
- Data Handling: Crystal reports, LIS integration, remote monitoring

KEY FEATURES

- Non-destructive leak detection – no product loss
- High sensitivity – detects micro-leaks in μm range
- Rapid test cycle – <60 sec typical
- 21 CFR Part 11 compliance (audit trail, user management, e-signature)
- Scalable – small R&D bags to large manufacturing bags (up to 200 L)
- Customizable fixtures for different bag designs
- Connectivity – OPC UA/DA, Ethernet, Wi-Fi for pharma IT integration

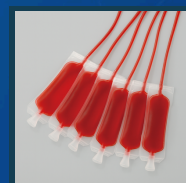
APPLICATIONS



Media & buffer storage bags



Bioreactor bags



Cryo bags



Aseptic transfer bags



IV & infusion bags



Multi-port single-use fluid transfer system

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