

SmartLung™



“ I want to eliminate risk and high costs. With SmartLung™, I can do both.”



imtmedical

SmartLung™.

The first test lung that makes high-tech affordable.



Adjustable resistance and leakage

Different airway resistances can be simulated simply by turning the connector. Leakage can also be adjusted by turning the side screw. No adapter required.



Adjustable compliance

The slider enables different degrees of lung compliance to be simulated without an adapter.



The problem is well-known: good test lungs take up a lot of space, are expensive and complicated. The result: they are often used incorrectly. Cheap test lungs are also frequently limited in their test function and regularly report malfunctions although the device being tested is working properly. Help is now available from Switzerland!

SmartLung™. Small, compact and unique.

SmartLung™ can offer the same performance as large, expensive test lungs. But, unlike the latter, SmartLung™ is extremely simple to use and so compact that it can be connected directly to the ventilator tubing system. With SmartLung™, you don't need the cumbersome side-tables required by the large test lungs. SmartLung™ is also unbeatable in terms of price/performance ratio.

Resistance (airway resistance), lung compliance and leakage can be adjusted. Different bag sizes ensure that virtually all patient lungs can be simulated, from babies to adults. Moreover, SmartLung™ does not need any additional adapters. Leak simulation is infinitely adjustable and enables ventilators for premature babies or mask ventilation to be checked. Even the sensitive function of patient flow triggering can be tested with SmartLung™. Combined with the FlowAnalyser™ from imtmedical ag, pressure, flow and volume measurements can also be taken with SmartLung™.

Lung bag
can be used in different
sizes from 0,5 to 2,0 litres



Technical data		
Resistance	5, 20, 50, 200 mbar/l/s	
Compliance	13, 17, 23, 30 ml/mbar	
Volume	0 – 600 ml (with 1l bag)	
Leak	0 – 10 l/min	
Weight	275 grams	
Dimensions (L x W x H)	310 x 115 x 40 mm	
Interchangeable components		
Sterilisable		

SmartLung™

SmartLung™, the cleverest, cheapest and most reliable way to check function and precision of ventilators and anaesthetic machines.

- Simulates infant and adult lungs
- Resistance, compliance and leak lung parameters widely adjustable
- Extremely handy and user-friendly
- Top performance and quality at a low price

Please contact us directly for further information. We would be glad to assist you.

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