

**PHILIPS**

Ultrasound

Point-of-care lung and cardiac imaging solutions

Clinical ultrasound applications

Lung imaging

Lung ultrasound has high sensitivity for numerous lung pathologies, such as its use in evaluation of respiratory distress characterized by increased B-lines in the areas of consolidation.* The portability, ease-of-cleaning, and affordability of ultrasound make it an advantageous tool for assessing various lung pathologies, as well as for evaluating disease progression.

Cardiac imaging

Certain respiratory diseases can also lead to cardiac dysfunction. A combined lung and cardiac ultrasound exam can help in evaluating the effects that such disease progression may have on heart function.

*<https://pubs.rsna.org/doi/10.1148/radiol.2020200847>

Most relevant Philips ultrasound solutions

Lumify

Imaging

Excellent cardiac and lung capabilities with the same transducer

Portability and cleanability

Battery-powered Android tablet and transducer can be easily covered in a sterile bag and sheath

Remote collaboration

Integrated capabilities allow remote collaborate with point-of-care (POC) healthcare professionals in a real-time consultation

Recommended transducers

- C5-2: large field of view (FOV), excellent penetration and imaging for consolidations and B-lines across rib spaces
- S4-1: excellent for intercostal access, optimal for combined workflow involving lung and cardiac examination
- L12-4: for pediatric patients, or examining pleural layer interfaces
- Lung preset is available on all transducers on Lumify: C5-2, S4-1, L12-4

CX50

(POC configuration)

Premium performance with portability

Make clinical decisions with confidence even on your most difficult-to-image patients with PureWave crystal transducer technology

- Travels easily to patient evaluation events, disaster sites or anywhere else you need premium image quality to deliver results efficiently and effectively
- Side-by-side M-mode featuring a live reference image that makes it easy to compare in real time

Recommended transducers

- S5-1 or S4-2: adult cardiac imaging for the ICU
- L12-3, C5-1: general purpose acute care imaging
- Optimal clinical performance with tissue specific presets (adult cardiac, pediatric cardiac, lung, etc.)

Sparq

Easy-to-clean

Sealed glass user interface

Small footprint

Cart designed for easy maneuverability in tight spaces, with up to 2.5 hours battery life

Recommended transducers

- C5-1, C6-2: large FOV, excellent penetration and imaging for consolidations and B-lines across multiple rib spaces
- S5-1, S4-2: intercostal access, optimal for workflow that involves lung and cardiac examination
- L12-4, L12-5: pediatric lung, pleural layer

Lung preset is available on C5-1, C6-2, S5-1, S4-2, L12-4, L12-5



In addition, Philips InnoSight, Affiniti and EPIQ ultrasound systems offer excellent capabilities for lung, cardiac and general imaging.

Cleaning information

Enhanced safety protocols are implemented for disinfecting and cleaning new Philips ultrasound systems before shipment to our customers.

[Click here](#) for complete cleaning instructions for Philips ultrasound systems and transducers.