

Healthcare

CLEAN TOOLS SAVE LIVES

**9 out of 10
physicians see an
advantage in using
digital health tools.¹**

The European Centre for Disease Control estimates that 3.8 million people acquire a healthcare-associated infection (HAI) each year in acute care hospitals in EU countries, Norway and Iceland. At least 20% of HAIs are considered to be avoidable through better infection prevention and control.²

Along with avoiding the spread of the usual bacteria, fungi, viruses and pathogens, healthcare providers and facilities are challenged with stopping the spread of COVID-19. Epidemiological studies have shown that 6% to 10% of patients develop a more severe form of COVID-19 and will require admission to the intensive care unit.³

Sterilising and disinfecting instruments while wearing Personal Protective Equipment (PPE) are critical to delivering care safely. During the COVID-19 pandemic many digital health tools moved from being viewed as a potential opportunity to becoming an immediate necessity, and their use increased substantially.⁴

As the pandemic comes under control, and as mobile technology is swiftly integrated to deliver critical care, protective cases need to guard against more than just drops. Priority number one is protecting against the spread of germs that lead to HAIs.



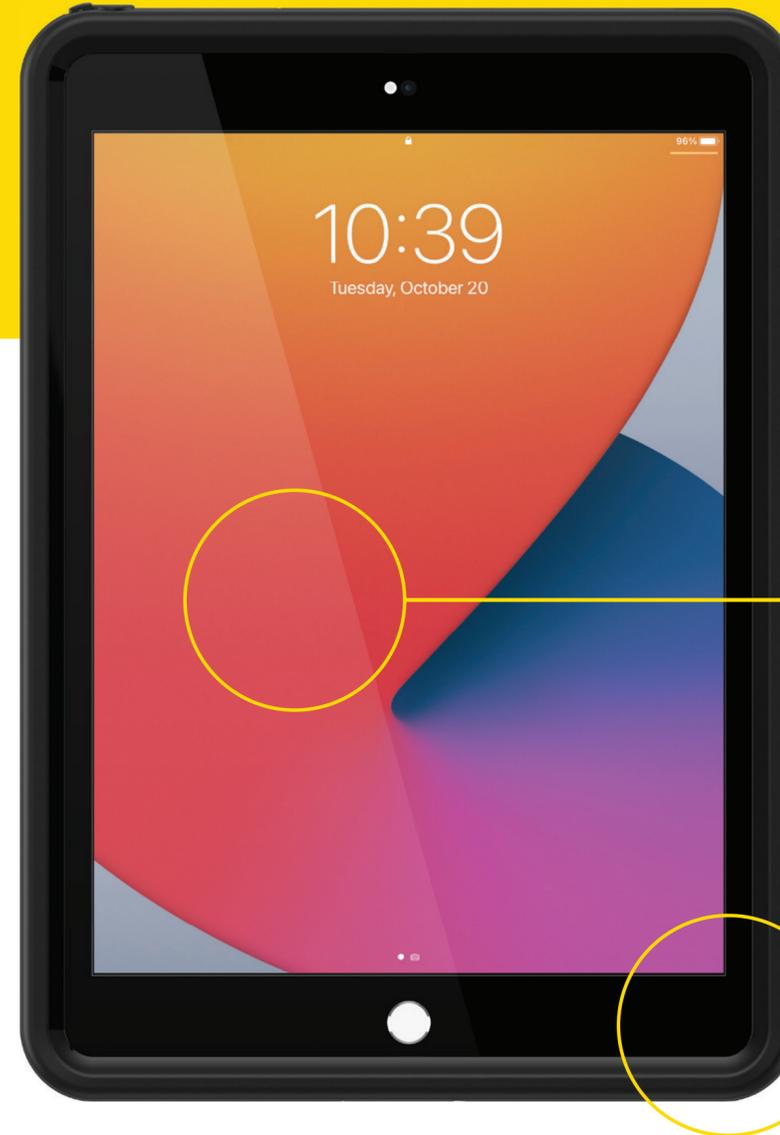
“Healthcare-associated infections (HAIs) are infections acquired by patients during their stay in a hospital or another healthcare setting. Although some of these infections can be treated easily, others may more seriously affect a patient’s health, increasing their stay in the hospital and hospital costs, and causing considerable distress to these patients. The most frequently reported types of healthcare-associated infections are respiratory tract infections, surgical site infections, urinary tract infections, bloodstream infections and gastro-intestinal infections.”

<https://www.ecdc.europa.eu/en/healthcare-associated-infections>

RESQ SERIES

Antimicrobial case material reduces contamination risk*

Clear back window for direct access to scan asset tags



Built-in screen protector maintains touchscreen responsiveness

DROP+ | 1X MIL-STD tested for 6ft drop to concrete surface

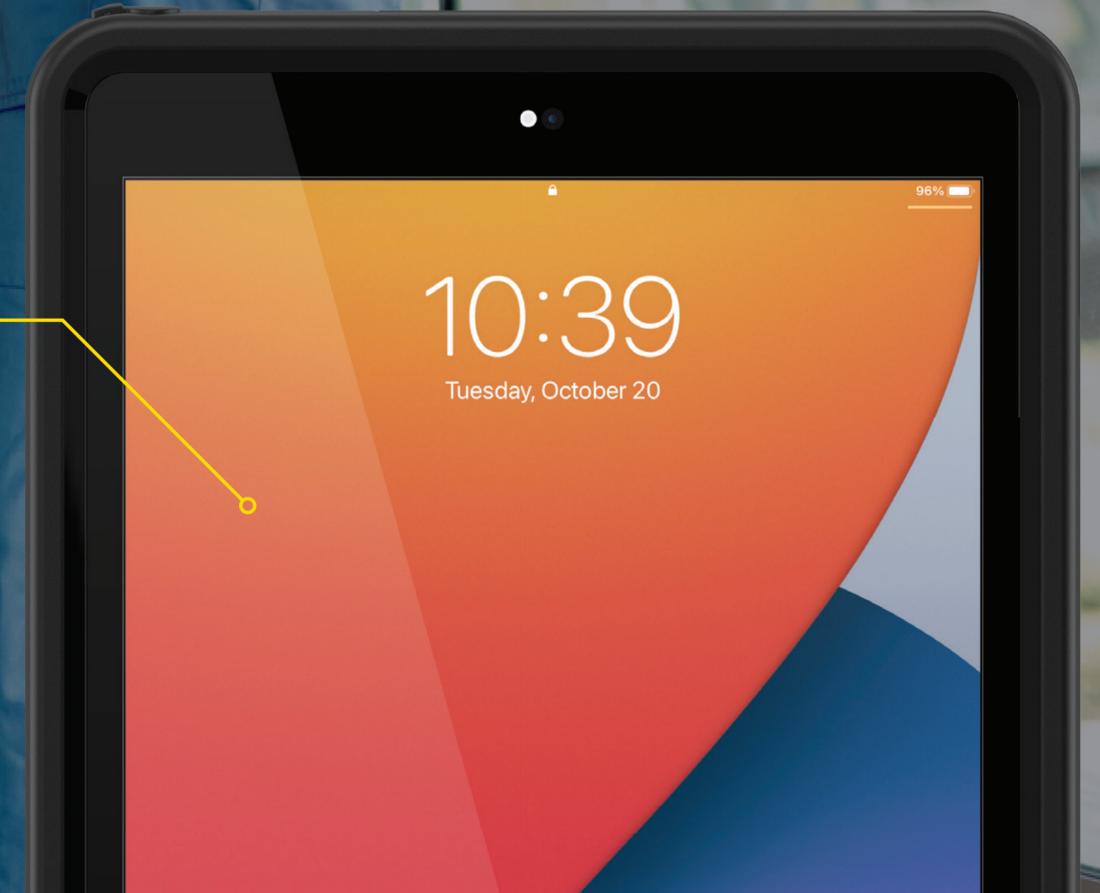
*It does not protect you or primarily-interior pieces.

ANTIMICROBIAL

Cleaning and hygiene are top priorities for healthcare environments. With the COVID-19 pandemic, these practices have become even more stringent. Antibacterial, alcohol or electronic pre-moistened wipes are the most popular method of sanitising.⁵ ResQ Series starts that process by integrating a silver phosphate into the case material making the case itself resistant to common microbes.

Diligent design iteration and stringent material testing further ensure ResQ Series is chemically tolerant of leading disinfectants and wipes including Isopropyl Alcohol (70%), Metrex CaviWipes, PDI Sani-Cloth Bleach Wipe (0.63%), PDI Super Sani Cloth Wipe and Certol ProSpray Wipes. Covered with ResQ Series, tablet cases can be sanitised confidently between each use — whether that's one time or 1,000 times a day. Every time a tablet comes in and out of a patient room or changes caregiver hands, ResQ Series is equipped for quick cleaning.

ResQ Series
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IP68

Ingress Protection Solids Protection Liquid Protection

Protection from liquids and fluids is also a must for healthcare tablets. Whether administering vaccines in the rain, splashing saline, hydrogen peroxide or alcohol while cleaning wounds or simply spilling coffee, tablets need to keep on working. When situations that drench tablets occur, ResQ Series keeps the mobile device inside the case dry. Sealed against liquids, ResQ Series meets IP68 mil-spec standard to guarantee continued performance.

IP stands for 'ingress protection'. The 6 indicates solids protection and the 8 indicates liquid protection. All together IP68 rated products are resistant to submersion up to a maximum depth of 1.5m underwater for up to thirty minutes. This ensures that a tablet inside a ResQ Series case is protected against liquids and dust.



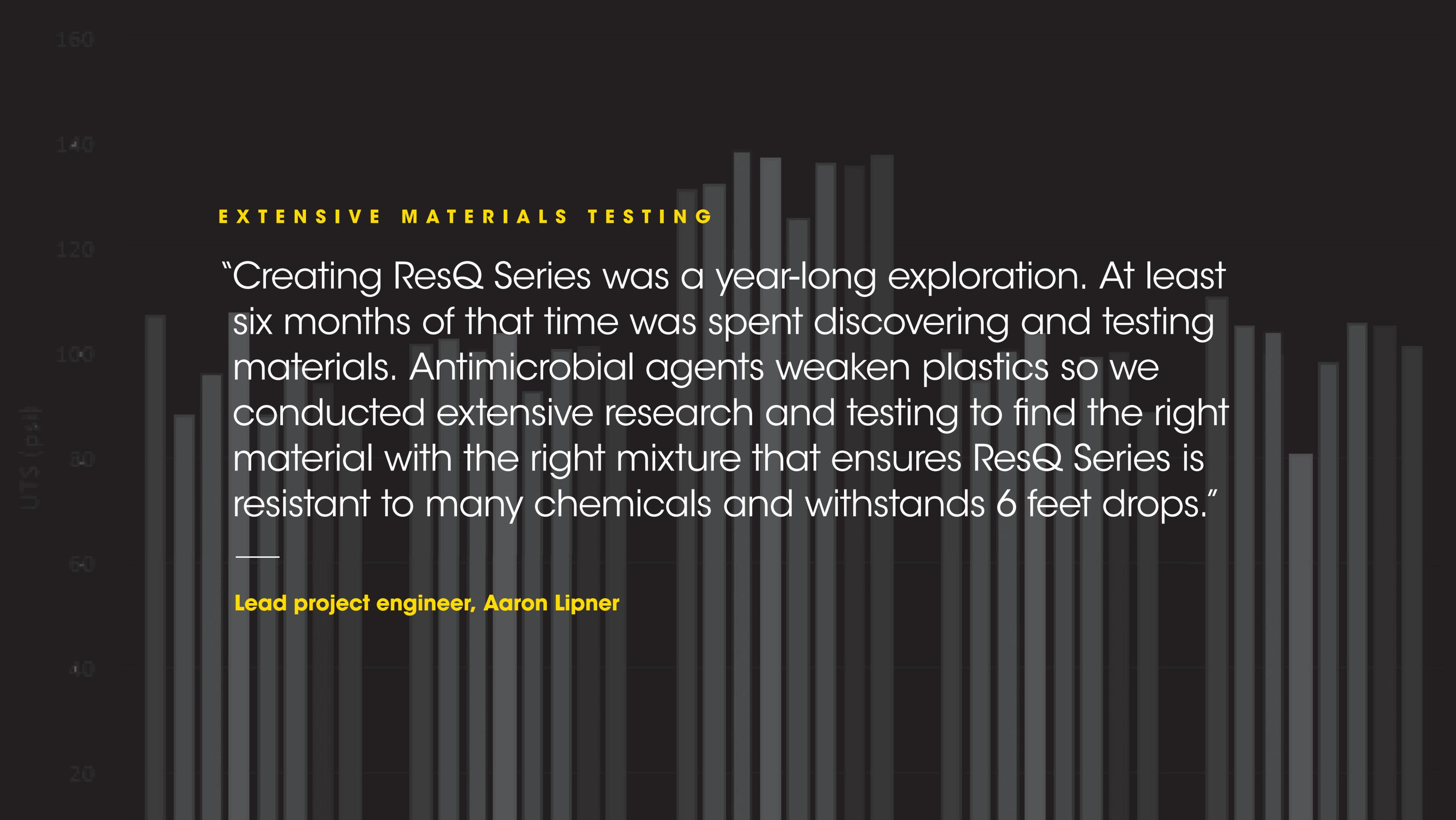
DROPS

Hospitals and care facilities are sterile, arduous environments where efficient and urgent care happens fast. From checking in patients at the front desk, to the intake nurse, to the X-ray technician to the physician on duty, handing off mobile technology assists and enables top-quality care. Tablets bear the brunt of drops onto cement floors, banging around from nurse station to gurney to charging station. ResQ guards tablets during all of these use scenarios and handoffs. An adjustable hand strap and a shoulder strap are included to diversify carrying convenience for each player in the process.

Engineered to withstand rough wear and tear, ResQ Series is also precision designed to prevail through 6 foot drops. Through iterative simulation design and extensive prototype testing, meeting the demand of hospital drop requirements was a challenge. But not too challenging to overcome, and a requirement ResQ Series more than achieves.



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EXTENSIVE MATERIALS TESTING

“Creating ResQ Series was a year-long exploration. At least six months of that time was spent discovering and testing materials. Antimicrobial agents weaken plastics so we conducted extensive research and testing to find the right material with the right mixture that ensures ResQ Series is resistant to many chemicals and withstands 6 feet drops.”

Lead project engineer, Aaron Lipner

QUALITY

Top-quality care and top-quality protection come together for ultimate success when ResQ Series is employed to take care of the tablets that assist in the care of your patients.

“OtterBox testing is extensive. We take a case with a device in it and drop it 26 times onto corners, edges, face and back to concrete,” said test engineer manager, Matt Wilkson. “Beyond that, OtterBox DROP+ testing protocol includes over 24 tests that prove every product we make is ready for anything.”

We know the quality of a protective case matters as much as its price and features.



PARTNERS

OtterBox expertise focuses on protecting mobile technology so healthcare providers can focus on delivering the best patient care. Protecting tablets with ResQ Series gives you proven-to-perform confidence in the most demanding conditions, just like your care teams. When you choose dependable OtterBox products to protect your technology investment, you're also choosing a trusted partner invested in the success of your healthcare teams and facilities.



FOOTNOTES

- 1 Research conducted by the American Medical Association earlier this year found that nearly 9 in 10 physicians see an advantage in using digital health tools. Further, healthcare providers are increasing their use of a variety of tools, including mobile devices.

<https://healthtechmagazine.net/article/2021/02/how-mobile-devices-are-meeting-soaring-need-care>
- 2 At least 20% of HAIs are considered to be avoidable through better infection prevention and control.

https://www.oecd-ilibrary.org/sites/health_glance_eur-2018-en/index.html?itemId=/content/publication/health_glance_eur-2018-en
- 3 Epidemiological studies have shown that 6% to 10% of patients develop a more severe form of COVID-19 and will require admission to the intensive care unit (ICU) due to acute hypoxemic respiratory failure.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0249038>
- 4 During the COVID-19 pandemic many digital health tools moved from being viewed as a potential opportunity to becoming an immediate necessity, and their use increased substantially.

<https://eurohealthobservatory.who.int/publications/i/use-of-digital-health-tools-in-europe-before-during-and-after-covid-19>
- 5 Antibacterial, alcohol or electronic pre-moistened wipes are the most popular method of sanitizing. Otter Products Mobile Tech in Healthcare Quantitative Study, August 2021