

DIGITAL
CORONA-
TEST CERTIFICATE

In cooperation with:

HEALEX

GOVDIGITAL

bdr.
BUNDESDRUCKEREI

Lufthansa
Industry Solutions

CENTOGENE
THE RARE DISEASE COMPANY



and many more

VERIFIABLE CORONA STATUS WITH UBIRCH SOLUTION

The Digital Corona Test Certificate is a simple and secure digital solution, to verify the SARS-CoV-2 status of a person in a tamper-evident manner - in compliance with the GDPR and the highest data security standards

When a laboratory authenticated by the Bundesdruckerei (a direct, wholly-owned subsidiary of the German federal government which secures identities, data and infrastructure) administers a corona test, the unique UBIRCH technology anchors a digital fingerprint of the result in a blockchain hosted by govdigital (Bundesdruckerei subsidiary) on German servers..

In this manner, the certified test status of a person can be easily checked at any time with a QR code.

Especially in critical areas such as airports, production facilities or major events, the Digital Corona Test Certificate can significantly accelerate a safe return to a new normality. A similar process would be sought in other countries with entities resembling the Bundesdruckerei in mission and function.



BACK TO A NEW NORMAL

The COVID-19 pandemic has had a huge impact on the world economy and everyday life. As long as no vaccines are available nationwide, viruses old and new will continue to pose a threat to society if for instance a person's SARS-CoV2 status cannot be trusted.

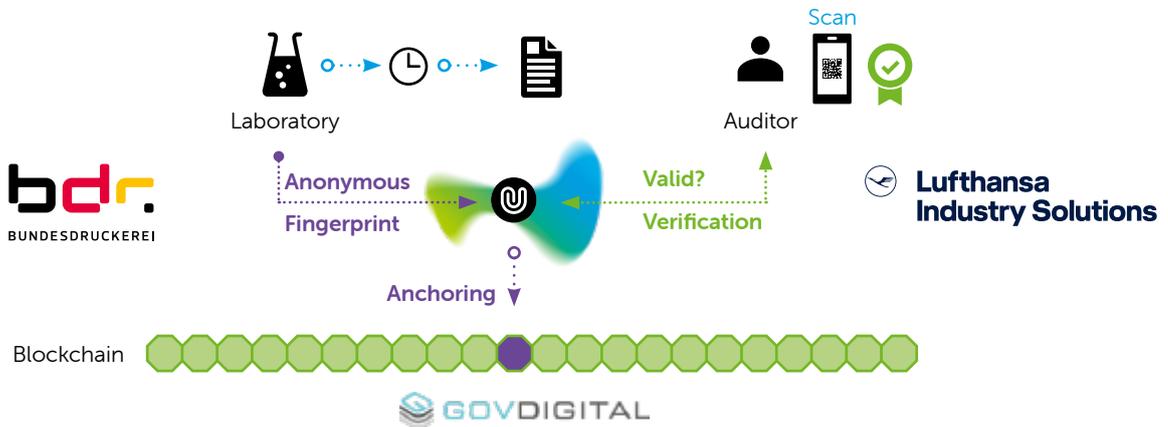
To help speed up our return to normal, the blockchain cybersecurity specialist UBIRCH and a consortium of medical device manufacturers, laboratories, hospitals, and clinical data management system providers have developed the IT infrastructure for a Digital Corona Test Certificate.





CHECK TEST RESULTS SWIFTLY, SECURELY, SAFELY AND EASILY WITH THE DIGITAL CORONA HEALTH CERTIFICATE

Without frequent and repeated testing, a safe return to normality is unthinkable. With the Digital Corona Test Certificate it is possible - very easily via QR code - to verify test results, irregardless of time and place of data collection.



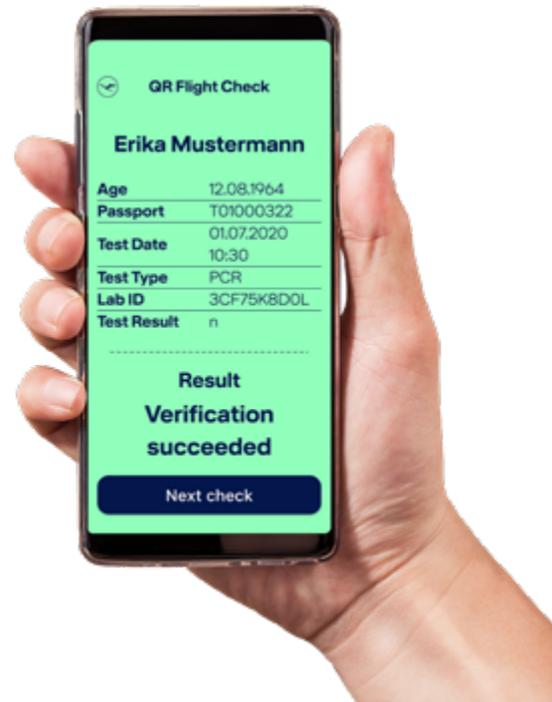
AND THIS IS HOW IT WORKS

After taking and analyzing a sample, the laboratory makes the test results available to the tested person in a digital format. Using UBIRCH's unique technology, the anonymous fingerprint of the result is anchored into a blockchain.

At no time during the process is personal data visible in the blockchain; neither for UBIRCH nor for the blockchain provider. In accordance with the GDPR and the highest data security standards, control of the data lies solely with the tested person concerned.

This way, the certified SARS-CoV-2 status of a person can be quickly and easily checked at any time using a QR code - in any and all cases where a negative test result is critical to ensure general public health and safety.

For example, passengers could have their test results verified at the gate prior to boarding. Lufthansa Industry Solutions (LHIND) offers this safe and convenient service. The app with integrated UBIRCH interface can also easily be used in other application areas or industries.



ENDLESS POSSIBILITIES OF USE

There are numerous areas of application where increased testing and regular testing expedites return to normality - and offers revenue potential for laboratories. With the Digital Corona Test Certificate, laboratories are looking to the future and offer their customers added value today.

» TRAVEL

When people travel, the virus might be part of their baggage ! That is why more and more countries require proof of a negative test result before granting entry permits. Regardless of whether or not travel is by air, water or land: The Digital Corona Test Certificate makes traveling more convenient - and safer.

» COMPANIES AND EMPLOYERS

Employers are legally obliged to ensure the health and safety of their employees during the Corona pandemic. Many companies therefore offer home-office. However, if you think of production facilities, hospitals, or other system-relevant areas, it quickly becomes clear that this is not possible in every work area. Negative examples have already shown what effects it can have - also legally - if companies fail to take the necessary precautions. With the Digital Corona Test Certificate, employers can ensure the safety of their employees and at the same time expedite the return to normal operations.

» EVENTS

Even when distance keeping and wearing compulsory masks, it will take some time before major events can be held in the usual setting. When used in security control at the entrance of stadiums, festivals, trade fairs etc., the Digital Corona Test Certificate offers an uncomplicated and secure way to allow large events to take place again in a secure environment.

Regardless of the area of application, the Digital Corona Test Certificate is an effective helper in the fight against corona and makes the world a little bit safer for all of us.

THE ADVANTAGES AT A GLANCE

The Digital Corona Test Certificate offers obvious advantages for all parties involved:

- » **Consumers** carry their Digital Corona Test Certificate conveniently in their pocket on their mobile device, allowing them to move around in public more confidently and securely.
- » **Laboratories** können ihren Kunden und Partnern einen sichtbaren Mehrwert bieten, da mit dem Digitalen Corona-Testzertifikat Laborergebnisse digital nutzbar und verifizierbar werden – in Übereinstimmung mit der GDPR.
- » **Airlines, event organizers and employers** - just to name a few - can expedite a return to normality without putting the health of their employees and visitors at risk.

WHY UBIRCH?

The plug'n'play UBIRCH solution turns a negative test result into a GDPR-compliant digital certificate by anchoring anonymous fingerprints of the test result into a blockchain. After being ubirched, test results become transferable, immutable, non-repudiable, and verifiable while all-along complying with the highest data security standards. This creates measurable added value fast, especially for laboratory partners.

ABOUT UBIRCH

UBIRCH is the specialist for blockchain-based technology with locations in Cologne, Berlin, and Munich. The team consists of experienced specialists for cryptography, blockchain and data-driven business models. UBIRCH primarily addresses customers from the manufacturing industry, smart cities, insurance, healthcare, energy supply, automobile, air & space, and logistics segments. Consisting of an extremely lightweight client and the matching cloud backend, UBIRCH enables data security at military-grade standards and thus offering new data-driven business models. Innovative cryptography and blockchain technologies guarantee the trustworthiness of IoT data. Further information is available at www.ubirch.com

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