

STATE-OF-THE-ART IDENTIFICATION

Palm Vein Pattern Recognition for ARRT Testing with Pearson VUE



Palm vein recognition represents the most advanced biometric technology available in high-stakes testing.

We're committed to ensuring that your exam is a fair measure of your ability. That's why Pearson VUE is the first test delivery provider to implement palm vein recognition technology for candidate authentication. A key component of our Secure Testing Framework™, palm vein technology improves the check-in process, ensures that each test-taker has a single record, and prevents people from testing under assumed names.

Increased Security to Protect Your Privacy

Palm vein recognition examines the unique patterns in your palm veins, using a safe, near-infrared light source like that in a TV remote. This new technology is fast, highly accurate and secure, with many safeguards built in to protect your privacy.

Palm vein technology:

- Records the vein pattern, which stays unique over time, to provide a positive ID
- Gives each test taker a single record that's virtually impossible to forge
- Prevents people from testing under assumed identities

To use the device, simply place your hand on the guide above the sensor for less than a second. Palm vein recognition is quick and simple — the process takes only seconds, yet represents the most advanced authentication technology available in high-stakes testing.



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FREQUENTLY ASKED QUESTIONS

Why is ARRT changing its admission process?

ARRT is using palm vein recognition because it offers a form of positive identification that is highly accurate, and less intrusive and more culturally acceptable than some other identity verification technologies, such as digital fingerprinting.

Palm vein recognition allows ARRT to accurately identify people trying to take the test under assumed identities. By preventing proxy testers, the technology helps ARRT maintain the test's integrity.

How does the palm vein recognition system work, and how do I use it?

Palm vein recognition works by scanning the veins inside of your hand and creating a digital template that represents your vein pattern. To use the system, you hold your hand a few inches above a sensor, which records information from the pattern of your palm veins on a digital template. Palm vein patterns are unique to each individual — even identical twins have different patterns.

What can I expect at the testing center, and how will my vein pattern be used?

You will have your palm vein patterns recorded when you arrive at the testing center to enroll for your exam. Your pattern will be matched when you return to the testing room after a break. Your palm vein patterns will also be compared with those of other test takers to allow Pearson VUE to find people who may have tested under multiple names or identities.

How accurate is palm vein recognition?

A system test on 140,000 palm vein patterns from 70,000 people found the false acceptance rate (i.e., the likelihood it recorded one person's palm as someone else's) to be less than 0.00008 percent.

Are there any safety or health concerns caused by the palm vein recognition system?

No. The pattern reader uses a safe, near-infrared light source, similar to a television remote.

Will this technology slow down the check-in process?

No. The check-in time for test takers with no fingerprint on file, including all first-time examinees, should be the same or shorter than it is now. As the palm vein system is phased in, return test takers who have been fingerprinted before should plan on an extra 15 to 30 seconds for check-in.

Palm vein patterns are invisible and virtually impossible to forge, making palm vein recognition highly secure.

Will I have to provide both a fingerprint and a palm vein pattern?

For first-time test takers, palm vein patterns will be taken instead of fingerprints. If you have had your digital fingerprint captured at a previous exam appointment, you will provide a fingerprint match and then enroll in the palm vein recognition system. Should you retake the test after you have a palm vein pattern template on file, you will use the palm vein system only. As palm vein templates are recorded for all those retaking the exam, digital fingerprints will no longer be captured. The other steps of the admissions process will remain the same.

What security measures does Pearson VUE take with my palm vein pattern to ensure my privacy?

When the reader scans your palm, the information about your vein patterns is stored as a digital template. After you finish taking your exam, the template is sent via encrypted transmission with your test results to Pearson VUE. Your vein pattern template is stored separately from other information about you in the system.

