NEWS RELEASE

Castle Biosciences' AdvanceAD-Tx™ Test Receives 2026 MedTech Breakthrough Award for Genomics Innovation

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This marks the fifth MedTech Breakthrough Award that Castle has earned for its innovative testing solutions

FRIENDSWOOD, Texas, May 12, 2026 /PRNewswire/ -- Castle Biosciences, Inc. (Nasdaq: CSTL), a company improving health through innovative tests that guide patient care, today announced that its AdvanceAD-Tx test has been selected as the winner of the "Genomics Innovation Award" in the 10th annual MedTech Breakthrough Awards program, which recognizes companies driving meaningful progress and improving patient care across the global health and medical technology industry. AdvanceAD-Tx is Castle's clinically validated gene expression profile (GEP) test designed to guide systemic treatment decision making in patients 12 and older with moderate-to-severe atopic dermatitis (AD).

"AdvanceAD-Tx builds on our expertise in dermatologic gene expression profiling, extending personalized, molecularly guided care into inflammatory skin disease for the first time," said Derek Maetzold, president and chief executive officer of Castle Biosciences. "AdvanceAD-Tx provides an objective tool designed to guide systemic therapy class selection for patients suffering from moderate-to-severe AD, helping clinicians more confidently select systemic treatments that can improve patient outcomes."

Using a novel, non-invasive lesional skin scraping — no biopsy required — the AdvanceAD-Tx test measures the expression of 487 genes across 12 skin and inflammatory pathways linked to AD. Advanced analytics translate this biology into two results: a Janus kinase (JAK) Inhibitor Responder Profile or a T-helper 2 (Th2) Molecular Profile, providing clear, actionable guidance at the therapy-class level. AdvanceAD-Tx allows clinicians to match therapy to

an individual's immune profile using objective molecular testing, personalizing treatment for their patients and reducing unnecessary treatment cycling.

In a prospective, multi-center validation study, patients with a JAK Inhibitor Responder Profile who were treated in alignment with their AdvanceAD-Tx test results were 5.5 times more likely to achieve near-clear skin (EASI-90) and reached that response 3.8 times faster than those treated with a Th2-targeted therapy.[1] These patients also experienced significantly greater itch relief, fewer flares and improvements in quality of life — without dose escalation.

"AdvanceAD-Tx translates disease biology into actionable guidance for systemic therapy class selection in AD. AD affects millions of patients and is biologically heterogeneous, yet treatment selection has traditionally relied on clinical assessment alone. As a result, most patients cycle through systemic therapies that don't adequately address the immune pathways driving the disease," said Steve Johansson, managing director, MedTech Breakthrough. "By providing objective insight to support systemic treatment selection, AdvanceAD-Tx transforms how moderate-to-severe AD is managed, enabling more confident, biology-informed treatment decisions that can improve patient outcomes, patient experience and healthcare value."

Castle has won previous MedTech Breakthrough Awards for its innovative tests, including: "Best Use of Artificial Intelligence in Healthcare" in 2023 for its TissueCypher® Barrett's Esophagus test, "Best New Technology Solution — Dermatology" in 2022 for its DecisionDx®-Melanoma GEP test, and "Best New Technology Solution — Oncology" in 2021 for its DecisionDx®-SCC test.

This year's program drew a record-breaking number of nominations from leading companies and startups across more than 20 countries, reflecting the growing global impact and momentum of the digital healthcare industry.

About AdvanceAD-Tx™

AdvanceAD-Tx is a non-invasive gene expression profile (GEP) test designed to guide systemic treatment decisions for patients aged 12 years and older with moderate-to-severe atopic dermatitis (AD). Using RNA expression data from lesional skin scraping samples—no biopsy required—the test evaluates 487 genes across 12 inflammatory and cutaneous biology pathways to reveal the underlying immune biology driving an individual patient's disease. Results classify patients into one of two molecular profiles: Janus Kinase (JAK) Inhibitor Responder Profile or T helper 2 (Th2) Molecular Profile.

The prospective, clinical validation study showed that the test identifies a subset of patients with a JAK Inhibitor Responder Profile who experience significantly greater clinical benefit — including improved and faster skin clearance (EASI-90), reduced itch, fewer flares and better quality of life by three months — when treated with a JAK inhibitor therapy compared to those treated with a Th2-targeted therapy. AdvanceAD-Tx provides clinicians with

objective, molecular-based insights to help personalize systemic treatment decisions and improve care for patients. Learn more at **https://castlebiosciences.com/tests/therapy-guidance/advancead-tx/overview**.

About Castle Biosciences

Castle Biosciences (Nasdaq: CSTL) is a leading diagnostics company improving health through innovative tests that guide patient care. With a primary focus in dermatologic and gastroenterological disease, we develop personalized, clinically actionable solutions that help improve disease management and patient outcomes.

We put people first—empowering patients and clinicians and informing care decisions through rigorous science and advanced molecular tests that support more confident treatment planning. To learn more, visit **www.CastleBiosciences.com** and connect with us on **LinkedIn**, **Instagram**, **Facebook** and **X**.

About MedTech Breakthrough

Part of **Tech Breakthrough**, a leading market intelligence and recognition platform for global technology innovation and leadership, the MedTech Breakthrough Awards program is devoted to honoring excellence and innovation in medical & health technology companies, products, services and people. The MedTech Breakthrough Awards provide a platform for public recognition around the achievements of breakthrough healthcare and medical companies and products in categories that include Patient Experience & Engagement, Health & Fitness, Medical Devices, Clinical Administration, Connected Healthcare, Medical Data, Healthcare Cybersecurity and more. For more information visit **MedTechBreakthrough.com**.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, which are subject to the "safe harbor" created by those sections. These forward-looking statements include, but are not limited to, statements concerning: AdvanceAD-Tx's ability to (i) extend personalized, molecularly guided care into inflammatory skin disease, (ii) help clinicians select treatments that can improve patient outcomes and reduce unnecessary treatment cycling, (iii) transform how moderate-to-severe AD is managed, and (iv) enable biology-informed treatment decisions. The words "believe," "can," "may" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements, and you should not place undue reliance on our forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements that we make. These

forward-looking statements involve risks and uncertainties that could cause our actual results to differ materially from those in the forward-looking statements, including, without limitation: subsequent study or trial results and findings may contradict earlier study or trial results and findings or may not support the results obtained in these studies, including with respect to the discussion of our tests in this press release; actual application of our tests may not provide the aforementioned benefits to patients; and the risks set forth under the heading "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2025, and our subsequent Quarterly Reports on Form 10-Q, each as filed or to be filed with the SEC, and in our other filings with the SEC. The forward-looking statements are applicable only as of the date on which they are made, and we do not assume any obligation to update any forward-looking statements, except as may be required by law.

1. [Silverberg JI, Eichenfield LF, Armstrong AW, Bagel J, Lockshin B, Boh E, Koo J, Farberg AS, Goldberg MS, Quick AP, Lebwohl MG,] The 487-gene expression profile test guides systemic therapy selection to improve outcomes for patients with atopic dermatitis: Results from a prospective, multi-center trial. J of Skin. 2025;9(6):s621. **doi:10.25251/g9hnsn32**

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