



## Humacyte Second Quarter 2024 Financial Results and Business Update

*-FDA requires additional time to complete its review of ATEV™ (acellular tissue engineered vessel) BLA for the Treatment of Vascular Trauma-*

*-Reported Positive Topline Results from Phase 3 Trial of ATEV in Hemodialysis Access-*

*-ATEV Received Third Regenerative Medicine Advanced Therapy (RMAT) Designation from FDA in Advanced Peripheral Artery Disease-*

**-Conference call and live webcast at 8:30 a.m. ET today-**

DURHAM, N.C., Aug. 13, 2024 (GLOBE NEWSWIRE) -- Humacyte, Inc. (Nasdaq: HUMA), a clinical-stage biotechnology platform company developing universally implantable, bioengineered human tissue at commercial scale, today announced financial results for the second quarter ended June 30, 2024 and highlighted recent accomplishments.

"We were surprised to be notified by the FDA that they will require additional time to complete their review of the BLA for our ATEV (acellular tissue engineered vessel) in vascular trauma," said Laura Niklason, M.D., Ph.D., Chief Executive Officer of Humacyte. "FDA leadership noted that Humacyte's ATEV is a first-in-class product, and that Priority Review had been granted, which involves only a six-month review cycle, as compared to the standard ten-month review cycle for most products. During the course of the BLA review, the FDA has conducted inspections of our manufacturing facilities and clinical sites and has actively engaged with us in multiple discussions regarding our BLA filing, including post-marketing and labeling discussions. Based on these interactions, we are confident in the approvability of the ATEV in treating vascular trauma, although we currently do not yet have a revised action date."

"The ATEV continues to make significant progress in its other investigational indications, including in hemodialysis access," continued Dr. Niklason. "We were pleased to announce positive top-line results from the V007 Phase 3 clinical trial in patients with end-stage renal disease, in which the ATEV was observed to have superior functional patency over current standard of care. In addition, the ATEV received its third RMAT designation from the FDA, specifically in advanced peripheral artery disease. This serves as a recognition from the Agency that Humacyte's ATEV may provide an important therapeutic option for patients with advanced arterial disease in their legs, who are facing potential amputation. We are proud that the ATEV's broad potential continues to be recognized and look forward to presenting additional results across our pipeline at upcoming medical meetings."

### Second Quarter 2024 and Recent Corporate Highlights

#### *ATEV (acellular tissue engineered vessel)*

- **FDA extension of time to complete review of BLA for ATEV in the Treatment of Vascular Trauma**— On August 9, 2024, in a phone call, Center for Biologics Evaluation and Research (CBER) leadership from the U.S. Food and Drug Administration (FDA) notified the Company that the FDA will require additional time to complete its review of the Company's Biologics License Application (BLA) for the ATEV in the vascular trauma indication. The ATEV trauma BLA was submitted to FDA in December 2023, FDA granted a Priority Review in February 2024, and assigned a PDUFA date of August 10, 2024.
- **Positive Topline Results of ATEV in Hemodialysis Access** – In July 2024, Humacyte reported positive topline results from the V007 Phase 3 clinical trial (NCT03183245) of the ATEV in arteriovenous (AV) access for patients on hemodialysis. The V007 trial is prospective, multi-center, randomized clinical study in 242 hemodialysis patients in the United States. Participants were randomly assigned to receive either the ATEV or an AV fistula for hemodialysis access and are being followed for up to 24 months. In the trial, the ATEV was observed to provide superior functional patency at six and 12 months (co-primary endpoints;  $p=0.0071$ ) compared to autogenous fistula, which is the current standard of care for hemodialysis patients. Patients on ATEV also achieved a significantly longer duration of hemodialysis using the ATEV over the first 12 months, as compared to autogenous fistula ( $p=0.0162$ ). Humacyte anticipates that detailed results from the trial will be presented at upcoming medical meetings.
- **ATEV Received Third Regenerative Medicine Advanced Therapy (RMAT) Designation from FDA** – In July 2024, the FDA granted RMAT designation of the ATEV for patients with advanced peripheral artery disease (PAD). This RMAT designation is granted at the same time as FDA cleared a new Investigational New Drug (IND) application for the PAD indication. This is the third RMAT designation granted by the FDA for Humacyte's ATEV, in addition to previous RMAT designations for vascular trauma repair and AV access in hemodialysis.

#### *Medical and Scientific Publications and Presentations*

- **PAD Publication:** In June 2024, Dr. Todd Rasmussen and colleagues at the Mayo Clinic in Rochester MN published outcomes of arterial bypass using the ATEV in patients with chronic limb ischemia (severe PAD). In this paper, appearing in the *Journal of Vascular Surgery* in June, all patients treated with the ATEV for severe PAD had no suitable vein of their own for bypass, and were treated under an investigator-sponsored protocol. Outcomes for ATEV patency (or blood flow)

and limb salvage in patients with severe PAD and no vein were compared to historical control patients, having similar disease but receiving a bypass using their own vein at the Mayo Clinic. Mayo investigators reported that patency and limb salvage were similar for patients receiving ATEV, and patients receiving bypass with their own vein. This result highlights the potential impact that Humacyte's ATEV may have on patients suffering from severe PAD and having no vein of their own to perform a bypass operation.

- **Presentations Highlighting Advancement of Diabetes Program** – In June 2024, Humacyte presented positive results from ongoing preclinical studies supporting the potential of Humacyte's BioVascular Pancreas (BVP™) product candidate to enable the delivery and survival of insulin-producing islets as a potential treatment for type 1 diabetes:
  - At a presentation at the Breakthrough T1D (formerly, JDRF) Beta Cell Consortium Meeting in New York City, scientists presented data in which stem cell-derived islets, manufactured at Humacyte, were observed to restore normal blood sugar in diabetic mice. In the mice, the stem cell-derived islets survived and continued to produce insulin, with no evidence of adverse safety events from the stem cell-derived islets. These experiments were performed in collaboration with the Diabetes Research Institute (DRI) at the University of Miami.
  - At the American Diabetes Association annual meeting in Orlando, Florida, Humacyte reported successful implantation of BVPs into non-human primate recipients. In the study, also performed in collaboration with the DRI, primate BVP implants showed islet survival and continued insulin production throughout the three-month duration of the study. Islets also developed capillaries to support survival of the insulin-producing cells.
- **CABG Preclinical Remodeling Results** – Preclinical six-month studies have been conducted in non-human primates to support the planned advancement of the small-diameter ATEV into human clinical trials in coronary artery bypass graft (CABG) surgery. Humacyte has observed remodeling of the ATEV to a diameter that closely matches that of the native coronary vessels in non-human primates, which is an outcome not observed with any other conduit and highlights the potential adaptability of the ATEV in vivo. These promising results of ATEV patency and remodeling were presented at the Tissue Engineering and Regenerative Medicine (TERM-2024) Conference on June 11-12, 2024.

#### **Corporate Updates**

- **Strengthened Board of Directors** – In July 2024, Humacyte announced the addition of pharmaceutical industry veteran Dr. John P. Bamforth and distinguished health system and academic physician Dr. Keith Anthony (Tony) Jones to the Company's Board of Directors.

#### **Second Quarter 2024 Financial Highlights**

- There was no revenue for either the second quarter of 2024 or the second quarter of 2023, and there was no revenue for the six months ended June 30, 2024 and 2023.
- Research and development expenses were \$23.8 million for the second quarter of 2024, compared to \$20.5 million for the second quarter of 2023, and were \$45.0 million for the six months ended June 30, 2024, compared to \$37.8 million for the six months ended June 30, 2023. The current-period increases resulted primarily from increased materials and personnel expenses to support expanded research and development initiatives and our clinical trials, including the expansion of manufacturing activities and support of the FDA review of the BLA in vascular trauma.
- General and administrative expenses were \$5.7 million for the second quarter of 2024, compared to \$6.2 million for the second quarter of 2023, and were \$11.1 million for the six months ended June 30, 2024, compared to \$11.4 million for the six months ended June 30, 2023. The slight decreases during 2024, resulted primarily from a decrease in non-cash stock compensation expense, partially offset by increased personnel expenses and increased professional fees.
- Other net income (expense) was net expense of \$27.2 million for the second quarter of 2024, compared to net income of \$4.0 million for the second quarter of 2023, and other net expense of \$32.5 million for the six months ended June 30, 2024, compared to other net expense of \$10.4 million for the six months ended June 30, 2023. The increase in other net expense for the second quarter of 2024 and the six months ended June 30, 2024 compared to 2023 resulted primarily from the non-cash remeasurement of the contingent earnout liability associated with the Company's August 2021 merger with Alpha Healthcare Acquisition Corp.
- Net loss was \$56.7 million for the second quarter of 2024, compared to \$22.7 million for the second quarter of 2023, and net loss was \$88.6 million for the six months ended June 30, 2024, compared to \$59.7 million for the six months ended June 30, 2023. The current-period increase in net loss resulted primarily from the non-cash remeasurement of the

contingent earnout liability, and operating expense increases, described above.

- The Company reported cash and cash equivalents of \$93.6 million as of June 30, 2024. Total net cash provided was \$13.1 million for the first six months of 2024, compared to net cash used of \$35.2 million for the first six months of 2023. The increase in net cash provided resulted primarily from the receipt of approximately \$43.0 million in net proceeds from an underwritten public offering of Humacyte's common stock in March 2024, and \$20 million in proceeds from an additional draw under its funding arrangement with Oberland Capital Management.

#### Conference Call and Webcast Details

|                                                |                                                                                          |
|------------------------------------------------|------------------------------------------------------------------------------------------|
| Title:                                         | Humacyte Second Quarter 2024 Financial Results Corporate Update                          |
| Date:                                          | Tuesday, August 13, 2024                                                                 |
| Time:                                          | 8:30 a.m. ET                                                                             |
| Conference Call Details:                       | Toll-Free: 1- 877-704-4453<br>International: 1-201-389-0920<br>Conference ID #: 13747913 |
| Call me™ Feature (avoid waiting for operator): | <a href="#">Click Here</a>                                                               |
| Webcast:                                       | <a href="#">Webcast Link - Click Here</a>                                                |

A replay of the webcast will be available following the conclusion of the live broadcast and will be accessible on the investors section of the Company's website for at least 30 days.

#### About Humacyte

Humacyte, Inc. (Nasdaq: HUMA) is developing a disruptive biotechnology platform to deliver universally implantable bioengineered human tissues, advanced tissue constructs, and organ systems designed to improve the lives of patients and transform the practice of medicine. The Company develops and manufactures acellular tissues to treat a wide range of diseases, injuries, and chronic conditions. Humacyte's initial product candidates, a portfolio of ATEVs, are currently in late-stage clinical trials targeting multiple vascular applications, including vascular trauma repair, arteriovenous (AV) access for hemodialysis, and peripheral artery disease. A Biologics License Application for the ATEV in the vascular trauma indication is currently under review by the FDA and was granted Priority Review. Preclinical development is also underway in coronary artery bypass grafts, pediatric heart surgery, treatment of type 1 diabetes, and multiple novel cell and tissue applications. Humacyte's 6mm ATEV for AV access in hemodialysis was the first product candidate to receive the FDA's Regenerative Medicine Advanced Therapy (RMAT) designation and has also received FDA Fast Track designation. Humacyte's 6mm ATEV for urgent arterial repair following extremity vascular trauma and for advanced PAD also have received an RMAT designations. The ATEV received priority designation for the treatment of vascular trauma by the U.S. Secretary of Defense. For more information, visit [www.Humacyte.com](http://www.Humacyte.com).

The ATEV is an investigational product and has not been approved for sale by the FDA or any other regulatory agency.

#### Forward-Looking Statements

This press release contains forward-looking statements that are based on beliefs and assumptions and on information currently available. In some cases, you can identify forward-looking statements by the following words: "may," "will," "could," "would," "should," "expect," "intend," "plan," "anticipate," "believe," "estimate," "predict," "project," "potential," "continue," "ongoing" or the negative of these terms or other comparable terminology, although not all forward-looking statements contain these words. These statements involve risks, uncertainties, and other factors that may cause actual results, levels of activity, performance, or achievements to be materially different from the information expressed or implied by these forward-looking statements. Although we believe that we have a reasonable basis for each forward-looking statement contained in this press release, we caution you that these statements are based on a combination of facts and factors currently known by us and our projections of the future, about which we cannot be certain. Forward-looking statements in this press release include, but are not limited to, the outcome of the FDA's review of our BLA seeking approval of the ATEV in the vascular trauma indication; the statements regarding the initiation, timing, progress, and results of our preclinical and clinical trials, the anticipated characteristics and performance of our ATEV; our ability to successfully complete preclinical and clinical trials for our ATEVs; the anticipated benefits of the ATEV relative to existing alternatives; the anticipated commercialization of our ATEVs and our ability to manufacture at commercial scale; the implementation of our business model and strategic plans for our business; and the timing or likelihood of regulatory filings, acceptances, and approvals. We cannot assure you that the forward-looking statements in this press release will prove to be accurate. These forward-looking statements are subject to a number of significant risks and uncertainties that could cause actual results to differ materially from expected results, including, among others, changes in applicable laws or regulations, the possibility that Humacyte may be adversely affected by other economic, business, and/or competitive factors, and other risks and uncertainties, including those described under the header "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2023, filed by Humacyte with the SEC, and in future SEC filings. Most of these factors are outside of Humacyte's control and are difficult to predict. Furthermore, if the forward-looking statements prove to be inaccurate, the inaccuracy may be material. In light of the significant uncertainties in these forward-looking statements, you should not regard these statements as a representation or warranty by us or any other person that we will achieve our objectives and plans in any specified time frame, or at all. Except as required by law, we have no current intention of updating any of the forward-looking statements in this press release. You should, therefore, not rely on these forward-looking statements as representing our views as of any date subsequent to the date of this press release.

#### Humacyte Investor Contact:

Joyce Allaire  
LifeSci Advisors LLC  
+1-617-435-6602  
[jallaire@lifesciadvisors.com](mailto:jallaire@lifesciadvisors.com)  
[investors@humacyte.com](mailto:investors@humacyte.com)

**Humacyte Media Contact:**  
Rich Luchette  
Precision Strategies  
+1-202-845-3924  
[rich@precisionstrategies.com](mailto:rich@precisionstrategies.com)  
[media@humacyte.com](mailto:media@humacyte.com)

**Humacyte, Inc.**  
**Condensed Consolidated Statements of Operations and Comprehensive Loss**  
**(unaudited)**  
**(in thousands except for share and per share amounts)**

|                                                        | <b>Three Months Ended<br/>June 30,</b> |                    | <b>Six Months Ended<br/>June 30,</b> |                    |
|--------------------------------------------------------|----------------------------------------|--------------------|--------------------------------------|--------------------|
|                                                        | <b>2024</b>                            | <b>2023</b>        | <b>2024</b>                          | <b>2023</b>        |
| <b>Revenue</b>                                         | \$ —                                   | \$ —               | \$ —                                 | \$ —               |
| <b>Operating expenses:</b>                             |                                        |                    |                                      |                    |
| Research and development                               | 23,753                                 | 20,540             | 45,017                               | 37,818             |
| General and administrative                             | 5,746                                  | 6,191              | 11,060                               | 11,425             |
| Total operating expenses                               | 29,499                                 | 26,731             | 56,077                               | 49,243             |
| <b>Loss from operations</b>                            | <b>(29,499)</b>                        | <b>(26,731)</b>    | <b>(56,077)</b>                      | <b>(49,243)</b>    |
| Other income (expense), net:                           |                                        |                    |                                      |                    |
| Change in fair value of contingent earnout liability   | (25,571)                               | 3,627              | (30,164)                             | (10,564)           |
| Other income (expense) (net)                           | (1,593)                                | 398                | (2,318)                              | 132                |
| Total other income (expense), net                      | (27,164)                               | 4,025              | (32,482)                             | (10,432)           |
| <b>Net loss and comprehensive loss</b>                 | <b>\$ (56,663)</b>                     | <b>\$ (22,706)</b> | <b>\$ (88,559)</b>                   | <b>\$ (59,675)</b> |
| Net loss per share, basic and diluted                  | \$ (0.48)                              | \$ (0.22)          | \$ (0.78)                            | \$ (0.58)          |
| Weighted-average shares outstanding, basic and diluted | 119,174,681                            | 103,361,501        | 113,710,344                          | 103,312,785        |

**Humacyte, Inc.**  
**Condensed Consolidated Balance Sheets**  
**(unaudited)**  
**(in thousands)**

|                                                  | <b>June 30,<br/>2024</b> | <b>December 31,<br/>2023</b> |
|--------------------------------------------------|--------------------------|------------------------------|
| <b>Assets</b>                                    |                          |                              |
| Current assets:                                  |                          |                              |
| Cash and cash equivalents                        | \$ 93,563                | \$ 80,448                    |
| Prepaid expenses and other current assets        | 2,547                    | 2,830                        |
| Total current assets                             | 96,110                   | 83,278                       |
| Property and equipment, net                      | 24,820                   | 26,791                       |
| Finance lease right-of-use assets, net           | 16,536                   | 17,313                       |
| Other long-term assets                           | 815                      | 841                          |
| <b>Total assets</b>                              | <b>\$ 138,281</b>        | <b>\$ 128,223</b>            |
| <b>Liabilities and Stockholders' Equity</b>      |                          |                              |
| Current liabilities:                             |                          |                              |
| Accounts payable                                 | \$ 6,005                 | \$ 6,490                     |
| Accrued expenses                                 | 8,950                    | 9,340                        |
| Other current liabilities                        | 2,802                    | 2,613                        |
| Total current liabilities                        | 17,757                   | 18,443                       |
| Contingent earnout liability                     | 68,080                   | 37,916                       |
| Revenue interest liability                       | 60,078                   | 38,600                       |
| Finance lease obligation, net of current portion | 15,123                   | 16,293                       |
| Other long-term liabilities                      | 5,530                    | 3,425                        |

|                                                   |                   |                   |
|---------------------------------------------------|-------------------|-------------------|
| <b>Total liabilities</b>                          | <b>166,568</b>    | <b>114,677</b>    |
| <b>Stockholders' equity</b>                       |                   |                   |
| Common stock and additional paid-in capital       | 597,586           | 550,860           |
| Accumulated deficit                               | (625,873)         | (537,314)         |
| Total stockholders' equity                        | (28,287)          | 13,546            |
| <b>Total liabilities and stockholders' equity</b> | <b>\$ 138,281</b> | <b>\$ 128,223</b> |



Source: Humacyte, Inc