



First Quarter 2024 Earnings Supplemental Materials

May 7, 2024

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Disclaimer

Certain statements in this presentation include “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. Words such as “believe,” “anticipate,” “plan,” “expect,” “estimate,” “intend,” “may,” “will,” or the negative of those terms, and similar expressions, are intended to identify forward-looking statements. These forward-looking statements include, but are not limited to, statements regarding the advancement and related timing of our product candidate Anaphylm™ (epinephrine) Sublingual Film through clinical development and approval by the U.S. Food and Drug Administration (FDA), including submission of supporting clinical studies for Anaphylm; our ability to provide sufficient data in our New Drug Application (NDA) submission for Anaphylm with the FDA to address FDA feedback on our clinical trials including as it relates to an Anaphylm pediatric program; our ability to grow our manufacturing operations; our cash requirements, cash funding and cash burn; short-term and longer term liquidity and the ability to fund our business operations; our growth and future financial and operating results and financial position, including with respect to our 2024 financial outlook; and business strategies, market opportunities, and other statements that are not historical facts. These forward-looking statements are based on our current expectations and beliefs and are subject to a number of risks and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. Such risks and uncertainties include, but are not limited to, risks associated with our development work, including any delays or changes to the timing, cost and success of our product development activities and clinical trials and plans, including those relating to Anaphylm, AQST-108 and other product candidates; risks associated with the Company’s distribution work for Libervant, including any delays or changes to the timing, cost and success of Company’s distribution activities and expansion of market access to patients for Libervant; risk of litigation brought by third parties relating to overcoming their orphan drug exclusivity of an FDA approved product for pediatric epilepsy patients between 2 and 5 years of age; risk of delays in regulatory advancement through the FDA of Anaphylm and our other drug candidates or failure to receive FDA approval at all; risk of the Company’s ability to generate sufficient data in its pharmacokinetics and pharmacodynamics comparability submission for FDA approval of Anaphylm; risk of the Company’s ability to address the FDA’s comments on the Company’s future clinical trials and other concerns identified in the FDA Type C meeting minutes for Anaphylm, including the risk that the FDA may require additional clinical studies for approval of Anaphylm; risk of the success of any competing products; risks and uncertainties inherent in commercializing a new product (including technology risks, financial risks, market risks and implementation risks and regulatory limitations); risk of development of a sales and marketing capability for future commercialization of our product candidates; risk of sufficient capital and cash resources, including sufficient access to available debt and equity financing, including under our ATM facility and the Lincoln Park Purchase Agreement, and revenues from operations, to satisfy all of our short-term and longer-term liquidity and cash requirements and other cash needs, at the times and in the amounts needed, including to fund commercialization activities relating to Libervant for pediatric patients between 2 to 5 years of age and to fund future clinical development activities for Anaphylm and AQST-108 and commercial activities should Anaphylm and/or AQST-108 be approved by the FDA; risk that our manufacturing capabilities will be sufficient to support demand for Libervant and our licensed products in the U.S. and abroad; risk of eroding market share for Suboxone® and risk as a sunset product, which accounts for the substantial part of our current operating revenue; risk of any default; risk related to government claims against Indivior for which we license, manufacture and sell Suboxone and which accounts for the substantial part of our current operating revenues; risks related to the outsourcing of certain sales, marketing and other operational and staff functions to third parties; risk of the rate and degree of market acceptance of Libervant for epilepsy patients between 2 to 5 years of age, Anaphylm, AQST-108 and our other products and product candidates and our licensed products in the U.S. and abroad; risk of the success of any competing products including generics, risk of the size and growth of our product markets; risk of compliance with all FDA and other governmental and customer requirements for our manufacturing facilities; risks associated with intellectual property rights and infringement claims relating to our products; risk of unexpected patent developments; risk of legislation and regulatory actions and changes in laws or regulations affecting our business including relating to our products and products candidates and product pricing, reimbursement or access therefor; risk of loss of significant customers; risks related to claims and legal proceedings including patent infringement, securities, business torts, investigative, product safety or efficacy and antitrust litigation matters; risk of product recalls and withdrawals; risks related to any disruptions in our information technology networks and systems, including the impact of cyberattacks; risk of increased cybersecurity attacks and data accessibility disruptions due to remote working arrangements; risk of adverse developments affecting the financial services industry; risks related to inflation and rising interest rates; risks related to the impact of the COVID-19 global pandemic and other pandemic diseases on our business, including with respect to our clinical trials and the site initiation, patient enrollment and timing and adequacy of those clinical trials, regulatory submissions and regulatory reviews and approvals of our product candidates, availability of pharmaceutical ingredients and other raw materials used in our products and product candidates, supply chain, manufacture and distribution of our products and product candidates; risks and uncertainties related to general economic, political (including the Ukraine and Israel wars and other acts of war and terrorism), business, industry, regulatory, financial and market conditions and other unusual items; and other uncertainties affecting us including those described in the “Risk Factors” section and in other sections included in the Company’s 2023 Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K filed with the U.S. Securities and Exchange Commission. Given those uncertainties, readers should not place undue reliance on these forward-looking statements, which speak only as of the date made. All subsequent forward-looking statements attributable to the Company or any person acting on its behalf are expressly qualified in their entirety by this cautionary statement. The Company assumes no obligation to update forward-looking statements or outlook or guidance after the date of this presentation whether as a result of new information, future events or otherwise, except as may be required by applicable law.

PharmFilm® and the Aquestive logo are registered trademarks of Aquestive Therapeutics, Inc. The “Anaphylm™” trade name for AQST-109 has been conditionally approved by the FDA. Final approval of the Anaphylm™ proprietary name is conditioned on FDA approval of the product candidate, AQST-109. All other registered trademarks referenced herein are the property of their respective owners.

Q1 2024 Earnings: Key Messages

Anaphylm™ (epinephrine) Sublingual Film

- ❖ Pivotal study met all primary and secondary endpoints
- ❖ Successful completion of a Type C meeting with the FDA
- ❖ On track for goal of submitting a New Drug Application (NDA) before year-end 2024

Libervant™ (diazepam) Buccal Film

- ❖ Received FDA approval for Libervant for patients between the ages of two and five years old
- ❖ Product is immediately available to non-Medicaid patients

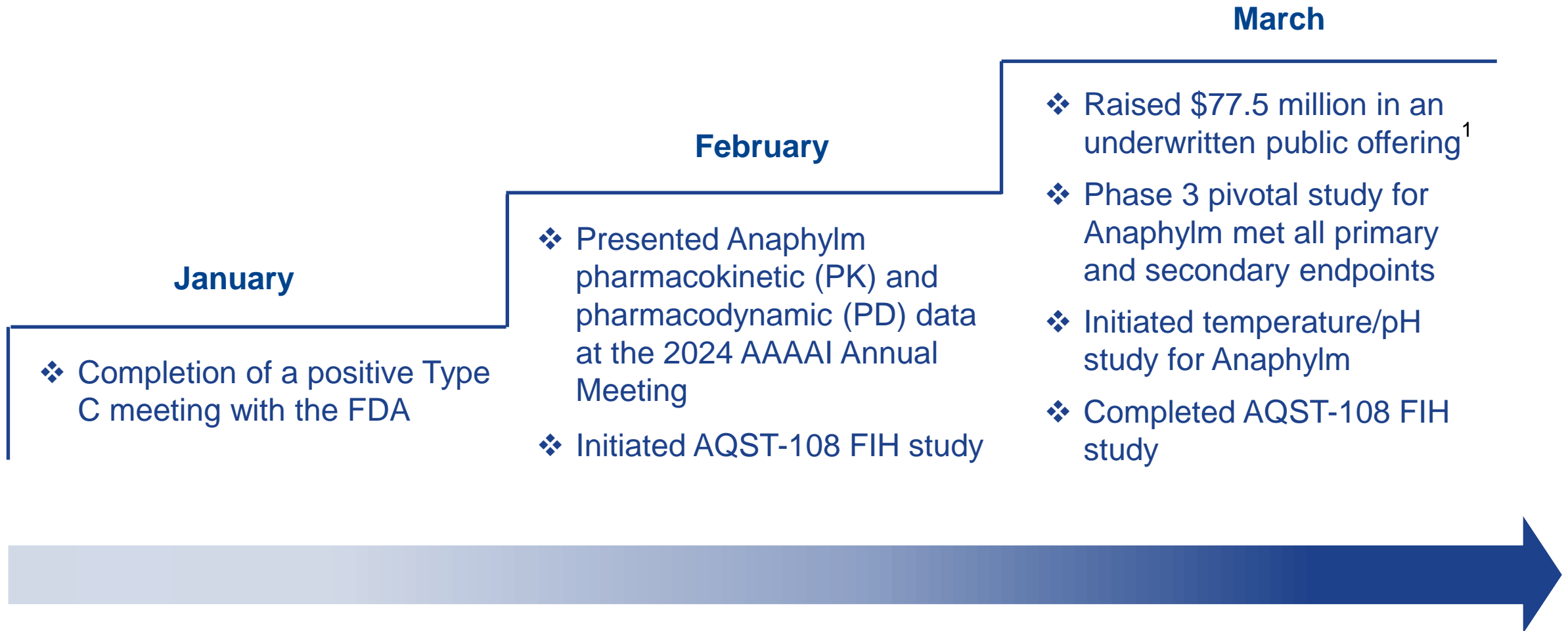
AQST-108 (epinephrine) Topical Gel

- ❖ Positive results from first-in-human (FIH) study

Strengthened the Balance Sheet

- ❖ Finished first quarter 2024 with a cash balance of approximately \$95 million
- ❖ Raised \$77.5 million through an underwritten public offering at a public offering price of \$4.50 per share of common stock¹
 - Provides sufficient cash to fund both the Anaphylm program and Company operations
 - Extends cash runway into 2026

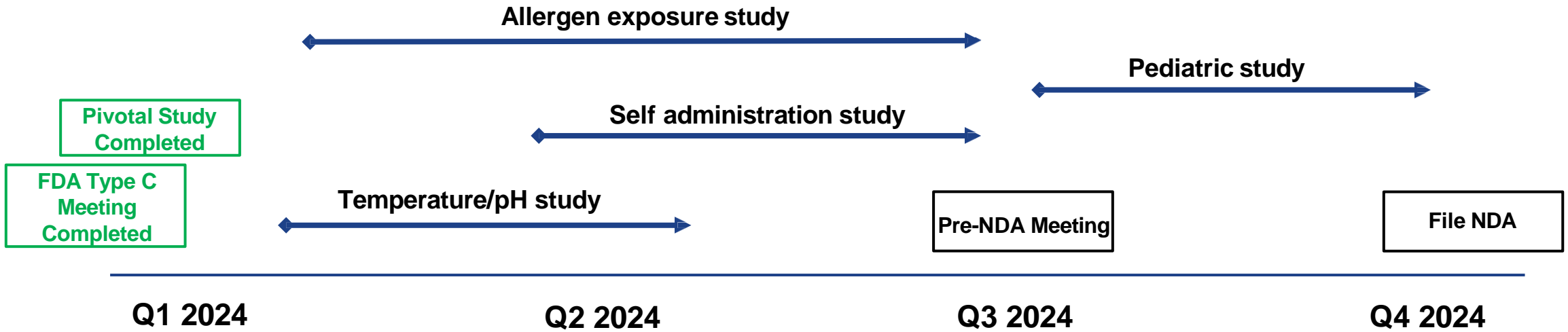
Positioned for continued success in 2024



Anaphylm™ Program Update

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Projected Clinical Timeline



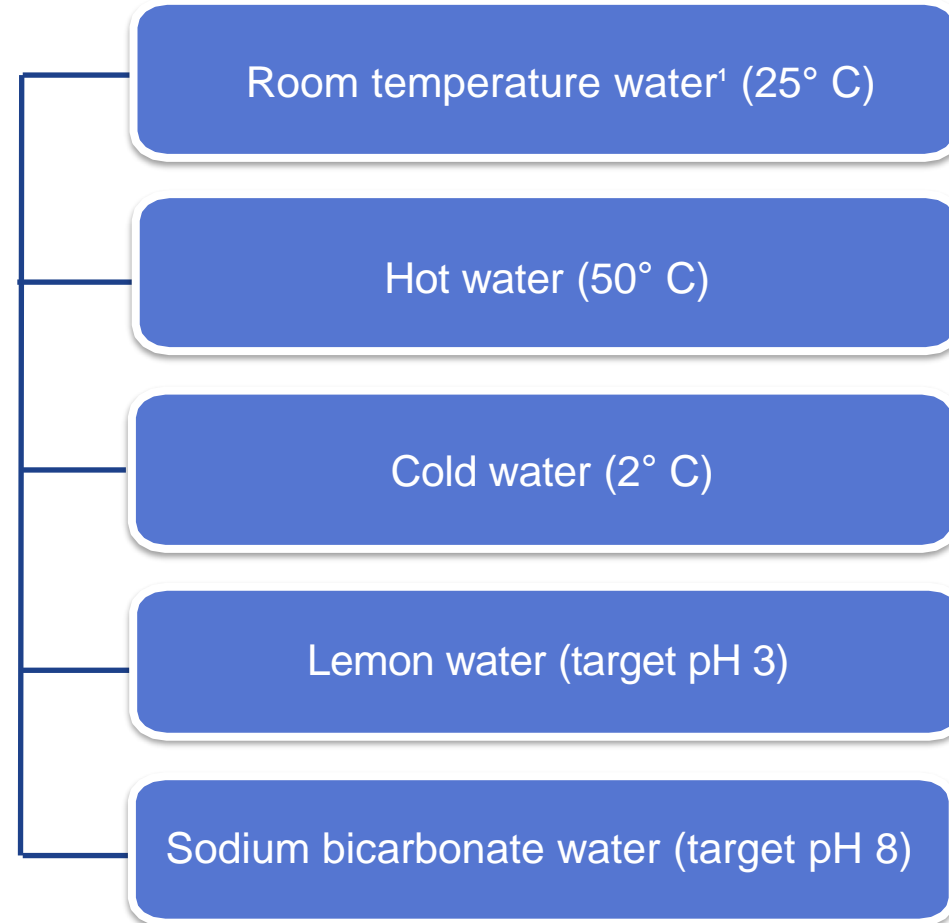
Temperature/pH Study

Study Design

Single dose, five-period, cross-over design using healthy adult volunteers
(n=30)

Endpoints

Comparison of PK/PD from room temperature water arm vs. all other arms



Self-Administration Study

Study Design

Single dose, three-period, cross-over design using healthy adult volunteers (n=36)

Endpoints

Comparison of PK/PD between self-administered, healthcare provider (HCP) administered, and Adrenalin

**Cohort #1
(n=18)**

Anaphylm self administration

Adrenalin (IM) healthcare provider administration

Anaphylm healthcare provider administration

**Cohort #2
(n=18)**

Anaphylm healthcare provider administration

Adrenalin (IM) healthcare provider administration

Anaphylm self administration

Allergen Exposure Study

Study Design

Single dose, two-period, partially randomized cross-over design using oral allergen syndrome (“OAS”) patients (n=36)

Endpoints

Comparison of PK/PD after allergen exposure to Adrenalin intramuscular(IM) with no allergen exposure

**Cohort #1
(n=24)**

Anaphylm after allergen exposure¹

Adrenalin (IM)
no allergen exposure

**Cohort #2
(n=12)**

Repeat dosing of Anaphylm after allergen exposure¹

Adrenalin (IM)
no allergen exposure

Study Design

Single dose, single treatment, multi-center, parallel design study in pediatric patients ages 7-17 (weight \geq 30kg) at heightened risk of anaphylaxis (n=36)

Endpoints

PK, PD, and treatment-emergent adverse events (TEAEs)

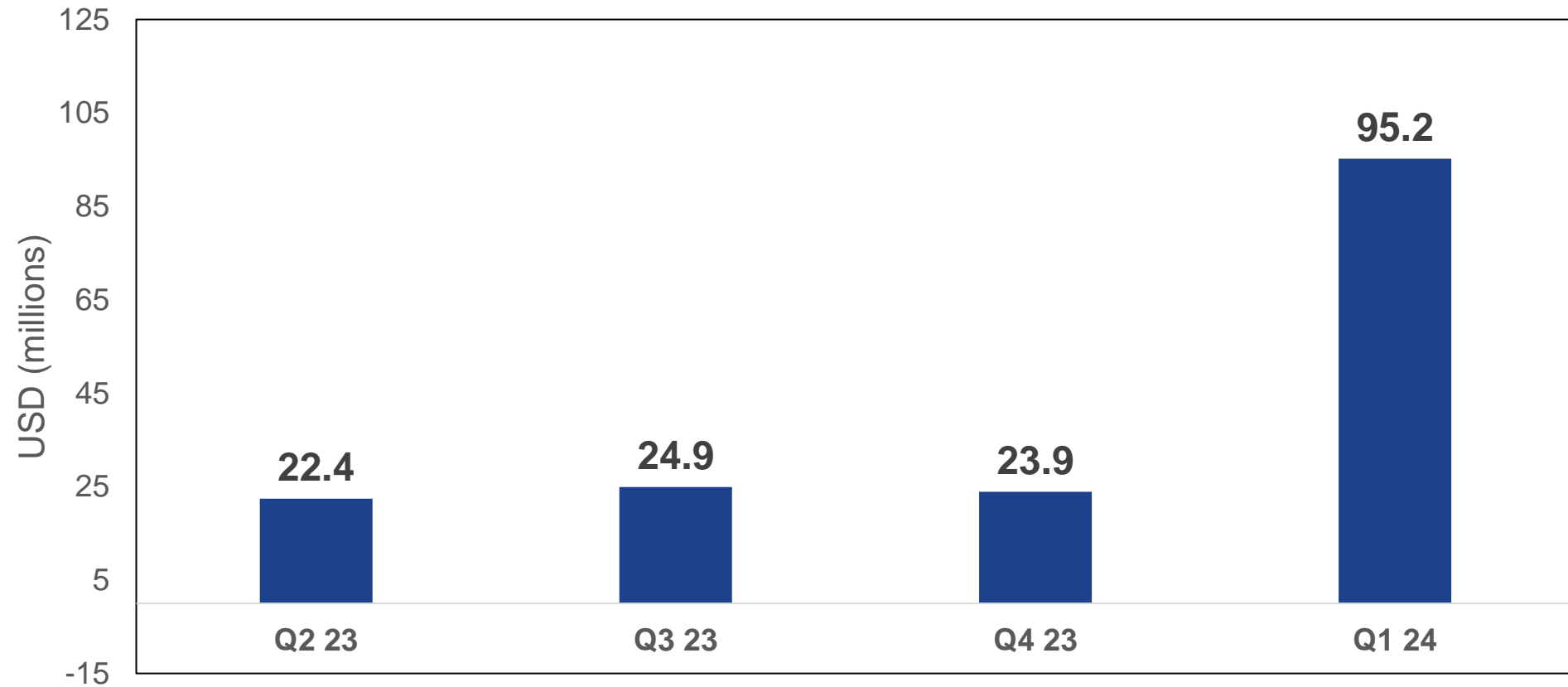
Anaphylm single dose administration by healthcare provider

Financial Results

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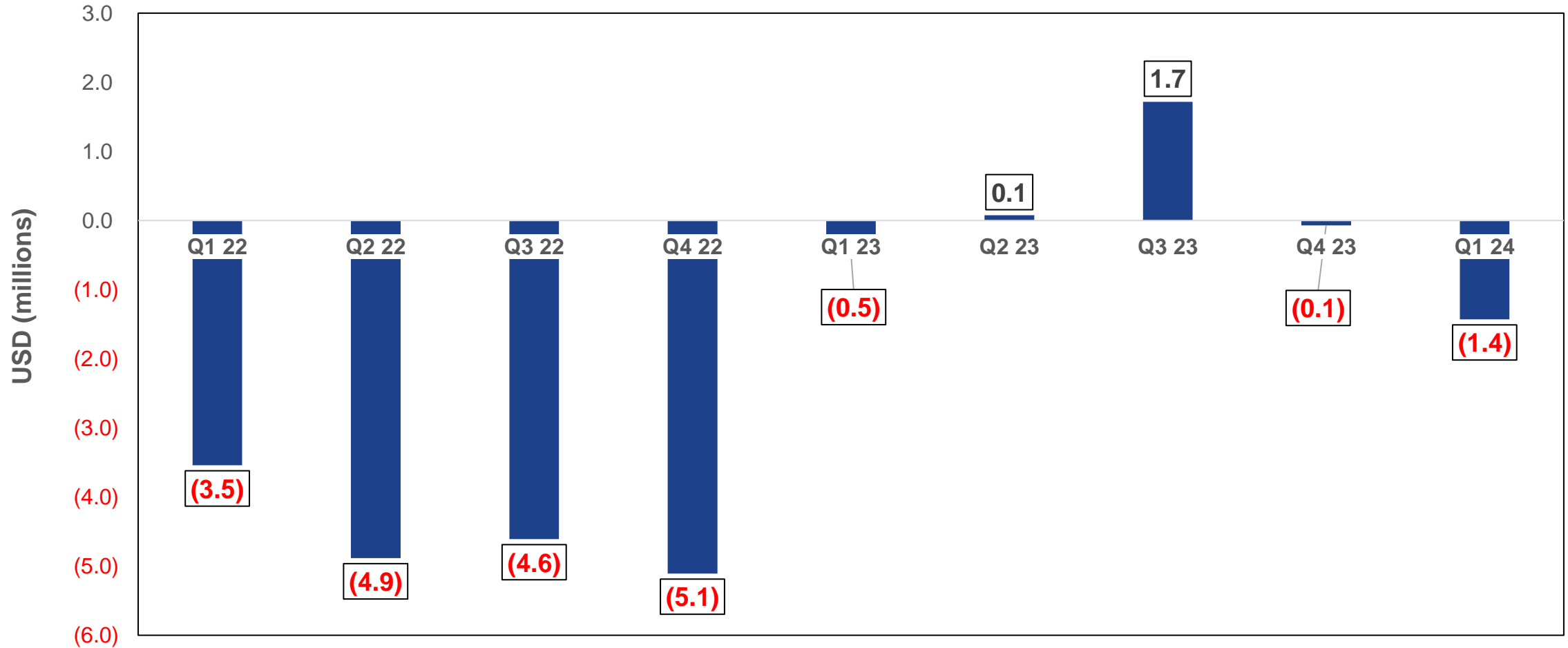
Cash position significantly improved following Q1 equity raise

Ending cash balance by quarter

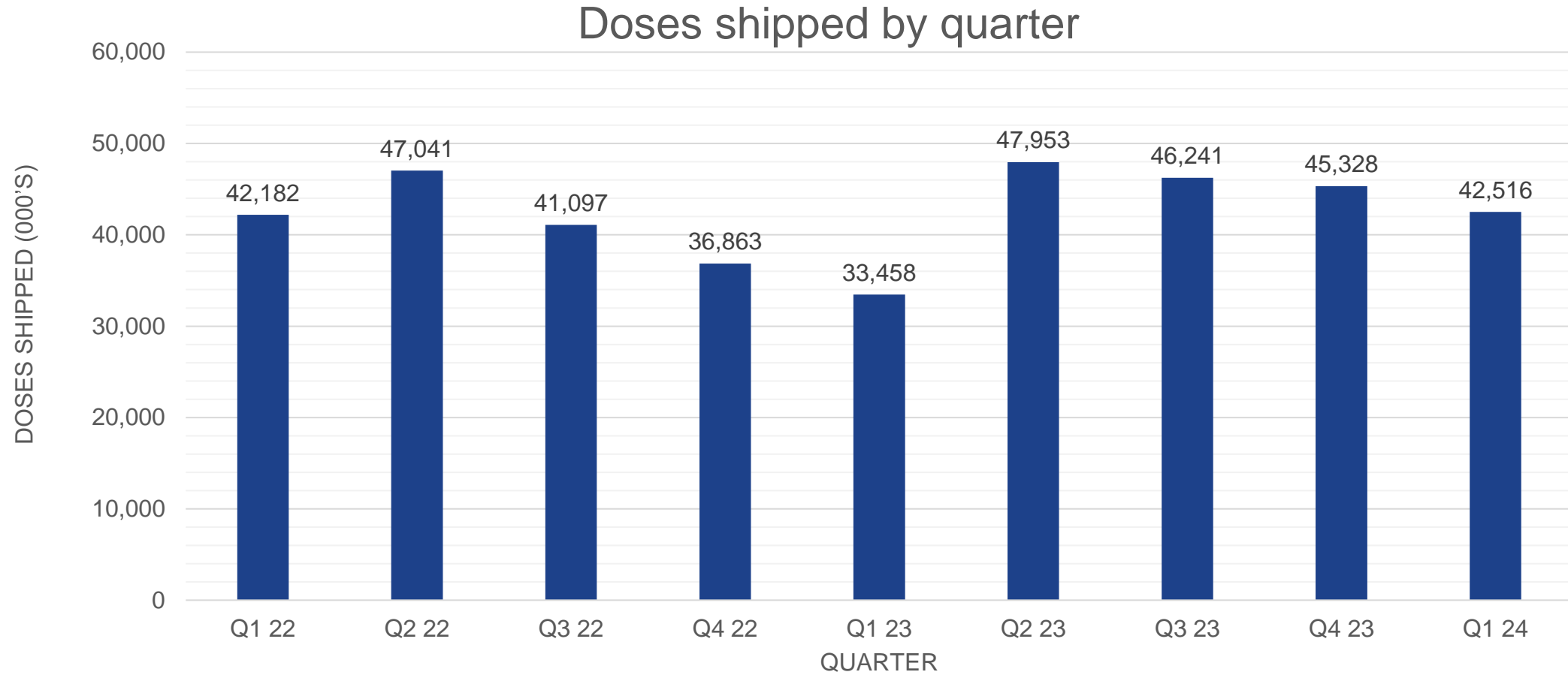


Base business profitability remains a key focus

Non-GAAP adjusted EBITDA excluding adjusted R&D expenses by quarter



Manufacturing operations continue to generate cash flow



Current full year guidance

2024 Outlook

- Total revenues of approximately \$48 to \$51 million
- Non-GAAP adjusted EBITDA loss of approximately \$22 to \$26 million



Thank You

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