

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549**

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

Ultragenyx Pharmaceutical Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or Other Jurisdiction of Incorporation or Organization)

27-2546083

(I.R.S. Employer Identification No.)

60 Leveroni Court

Novato, CA 94949

(Address of Principal Executive Offices, Zip Code)

**Amended and Restated 2023 Incentive Plan
Employment Inducement Plan**

(Full title of the plan)

Emil D. Kakkis, M.D., Ph.D.

President and Chief Executive Officer

Ultragenyx Pharmaceutical Inc.

60 Leveroni Court

Novato, CA 94949

(415) 483-8800

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

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Executive Vice President and Chief Legal Officer
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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 under the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

EXPLANATORY NOTE

This Registration Statement on Form S-8 (this “Registration Statement”) is filed by Ultragenyx Pharmaceutical Inc. (the “Registrant”) to register (i) an additional 4,000,000 shares of the Registrant’s common stock, par value \$0.001 per share (“Common Stock”), that may be offered and issued under the Ultragenyx Pharmaceutical Inc. Amended and Restated 2023 Incentive Plan (the “2023 Plan”), and (ii) an additional 350,000 shares of Common Stock that may be offered and issued under the Ultragenyx Pharmaceutical Inc. Employment Inducement Plan (as amended, the “Inducement Plan”), pursuant to the Second Amendment to the Inducement Plan, for the grant of inducement awards for employment with the Registrant pursuant to Nasdaq Listing Rule 5635(c)(4).

The information contained in the Registrant’s registration statements on Form S-8 filed with the Securities and Exchange Commission (the “SEC”) (SEC File Nos. [333-253007](#) and [333-272518](#)) together with all exhibits filed therewith or incorporated therein by reference, are hereby incorporated by reference pursuant to General Instruction E to Form S-8, and the shares of Common Stock registered hereunder with respect to the 2023 Plan and the Inducement Plan are in addition to the shares of Common Stock registered on such registration statements.

Item 8. Exhibits.

Exhibit No.	Exhibit Description	Incorporated by Reference			Filed Herewith
		Form	Date	Number	
4.1	Amended and Restated Certificate of Incorporation of Ultragenyx Pharmaceutical Inc.	8-K	2/5/2014	3.1	
4.2	Second Amended and Restated Bylaws of Ultragenyx Pharmaceutical Inc.	8-K	12/21/2023	3.1	
4.3	Form of Common Stock Certificate	S-1	11/8/2013	4.2	
4.4	Amended and Restated 2023 Incentive Plan				X
4.5	Employment Inducement Plan	10-K	2/12/2021	10.43	
4.6	First Amendment to Employment Inducement Plan	S-8	6/8/2023	4.7	
4.7	Second Amendment to Employment Inducement Plan				X
5.1	Opinion of Gibson, Dunn & Crutcher LLP				X
23.1	Consent of Independent Registered Public Accounting Firm				X
23.2	Consent of Gibson, Dunn & Crutcher LLP (included in Exhibit 5.1)				X
24.1	Power of Attorney (included on the signature page to this Registration Statement)				X
107	Filing Fee Table				X

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended (the "Securities Act"), the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Novato, State of California, on July 12, 2024.

ULTRAGENYX PHARMACEUTICAL INC.

By: /s/ Emil D. Kakkis

Name: Emil D. Kakkis, M.D., Ph.D.

Title: President and Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints each of Emil D. Kakkis, M.D., Ph.D. and Howard Horn and each of them acting individually, as his or her true and lawful attorneys-in-fact and agents, each with full power of substitution and resubstitution in each of them singly, for him or her and in his or her name, place and stead, and in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement, and to file the same, with all exhibits thereto and other documents in connection therewith, with the SEC, granting to the attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite or necessary to be done in or about the premises, as full to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that the attorneys-in-fact and agents or any of each of them or their substitutes may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act, this Registration Statement has been signed by the following persons in the capacities indicated on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Emil D. Kakkis</u> Emil D. Kakkis, M.D., Ph.D.	President and Chief Executive Officer and Director (Principal Executive Officer)	July 12, 2024
<u>/s/ Howard Horn</u> Howard Horn	Executive Vice President, Chief Financial Officer, Corporate Strategy (Principal Financial Officer)	July 12, 2024
<u>/s/ Theodore A. Huizenga</u> Theodore A. Huizenga	Senior Vice President and Chief Accounting Officer (Principal Accounting Officer)	July 12, 2024
<u>/s/ Daniel G. Welch</u> Daniel G. Welch	Chairman of the Board	July 12, 2024
<u>/s/ Deborah Dunsire</u> Deborah Dunsire, M.D.	Director	July 12, 2024
<u>/s/ Matthew K. Fust</u> Matthew K. Fust	Director	July 12, 2024
<u>/s/ Michael Narachi</u> Michael Narachi	Director	July 12, 2024
<u>/s/ Amrit Ray</u> Amrit Ray, M.D.	Director	July 12, 2024
<u>/s/ Corsee D. Sanders</u> Corsee D. Sanders, Ph.D.	Director	July 12, 2024
<u>/s/ Shehnaaz Suliman</u> Shehnaaz Suliman, M.D.	Director	July 12, 2024

Ultragenyx Pharmaceutical Inc.
Amended and Restated 2023 Incentive Plan

1. DEFINED TERMS

Exhibit A, which is incorporated by reference, defines the terms used in the Plan and sets forth certain operational rules related to those terms.

2. PURPOSE

The Plan has been established to advance the interests of the Company by providing for the grant to Participants of Stock-based and other incentive Awards. The Plan was originally approved by the Board on April 20, 2023 effective on the Original Effective Date and was amended and restated effective as June 18, 2024 (the “**Effective Date**”).

3. ADMINISTRATION

The Administrator has discretionary authority, subject only to the express provisions of the Plan, to (a) interpret and construe the Plan, any rules and regulations under the Plan and the terms and conditions of any Award; (b) determine eligibility for and grant Awards; (c) determine, modify or waive the terms and conditions of any Award; (d) prescribe forms, rules and procedures relating to the Plan; (e) establish and verify the extent of satisfaction of any Performance Criteria or other conditions applicable to the grant, issuance, retention, vesting, exercisability or settlement of any Award; (f) determine the extent to which adjustments are required pursuant to Section 7; (g) approve corrections in the documentation or administration of any Award; and otherwise do all things necessary or appropriate to carry out the purposes of the Plan. Determinations of the Administrator made under the Plan will be conclusive and will bind all parties.

4. LIMITS ON AWARDS UNDER THE PLAN

(a) Number of Shares.

(i) The maximum number of shares of Stock that may be delivered in satisfaction of Awards under the Plan is (A) 8,500,000, *plus* (B) the number of shares of Stock subject to any Award outstanding under a Prior Plan as of the Original Effective Date that after the Original Effective Date are not issued because such Award is forfeited, canceled, terminates, expires or otherwise lapses without being exercised (to the extent applicable), or is settled in cash. Up to 8,500,000 shares of Stock may be issued in satisfaction of ISOs, but nothing in this Section 4(a) will be construed as requiring that any, or any fixed number of, ISOs be awarded under the Plan. The limits set forth in this Section 4(a) shall be construed to comply with Section 422.

(ii) For purposes of this Section 4(a), if an outstanding Award is forfeited, canceled, terminates, expires or otherwise lapses without being exercised (to the extent applicable), or is settled in cash, the shares of Stock allocable to the terminated portion of such Award or such forfeited shares of Stock shall again be available for issuance under the Plan. Notwithstanding the foregoing, the following shares shall not be available for issuance under the Plan: (A) shares withheld from an Award under the Plan or a Prior Plan to satisfy the tax withholding obligations with respect to such Award, (B) shares withheld from an Award under the Plan or a Prior Plan in payment of the exercise price of an Award requiring exercise, (C) shares repurchased on the

open market by the Company using proceeds from the exercise price paid with respect to Awards under the Plan or a Prior Plan, or (D) gross shares subject to an SAR granted under the Plan or a Prior Plan that are not issued in connection with the Stock-settlement of such SAR.

(b) **Type of Shares.** Stock delivered by the Company under the Plan may be authorized but unissued Stock or previously issued Stock acquired by the Company. No fractional shares of Stock will be delivered under the Plan.

(c) **Limit on Non-Employee Director Compensation.** The aggregate dollar value of equity-based (based on the grant date fair value of equity-based Awards determined for financial reporting purposes) and cash compensation granted under the Plan or otherwise to any non-employee director shall not exceed \$900,000 during any calendar year for services provided as a non-employee director; provided, however, that in the calendar year in which a non-employee director first joins the Board or during any calendar year in which a non-employee director is designated as Chairman of the Board or Lead Director, the maximum aggregate dollar value of equity-based and cash compensation granted to the non-employee director may be up to \$1,500,000.

5. ELIGIBILITY AND PARTICIPATION

The Administrator will select Participants from among key Employees and directors of, and consultants and advisors to, the Company and its Affiliates. Eligibility for ISOs is limited to individuals described in the first sentence of this [Section 5](#) who are employees of the Company or of a “parent corporation” or “subsidiary corporation” of the Company as those terms are defined in Section 424 of the Code. Eligibility for Stock Options other than ISOs is limited to individuals described in the first sentence of this [Section 5](#) who are providing direct services on the date of grant of the Stock Option to the Company or to a subsidiary of the Company that would be described in the first sentence of Section 1.409A-1(b)(5)(iii)(E) of the Treasury Regulations.

6. RULES APPLICABLE TO AWARDS

(a) **All Awards.**

(i) **Award Provisions.** The Administrator will determine the terms of all Awards, subject to the limitations provided herein. By accepting (or, under such rules as the Administrator may prescribe, being deemed to have accepted) an Award, the Participant will be deemed to have agreed to the terms of the Award and the Plan. Notwithstanding any provision of this Plan to the contrary, awards of an acquired company that are converted, replaced or adjusted in connection with the acquisition may contain terms and conditions that are inconsistent with the terms and conditions specified herein, as determined by the Administrator.

(ii) **Term of Plan.** No Awards may be made after 10 years from the Effective Date, but previously granted Awards may continue beyond that date in accordance with their terms. Notwithstanding the foregoing, no ISOs may be granted after 10 years from Date of Adoption.

(iii) **Transferability.** Neither ISOs nor, except as the Administrator otherwise expressly provides in accordance with the second sentence of this [Section 6\(a\)\(iii\)](#), other Awards may be transferred other than by will or by the laws of descent and distribution. During a Participant’s lifetime, ISOs (and, except as the Administrator otherwise expressly provides in accordance with the second sentence of this [Section 6\(a\)\(iii\)](#), SARs and NSOs) may be exercised only by the Participant. The Administrator may permit the gratuitous transfer (*i.e.*,

transfer not for value) of Awards other than ISOs to any transferee eligible to be covered by the provisions of Form S-8 (under the Securities Act), subject to such limitations as the Administrator may impose.

(iv) **Vesting, etc.** The Administrator will determine the time or times at which an Award will vest or become exercisable and the terms on which a Stock Option or SAR will remain exercisable. Without limiting the foregoing, the Administrator may at any time accelerate the vesting or exercisability of an Award, regardless of any adverse or potentially adverse tax or other consequences resulting from such acceleration. Unless the Administrator expressly provides otherwise, however, the following rules will apply if a Participant's Employment ceases:

(A) Immediately upon the cessation of the Participant's Employment and except as provided in (B) and (C) below, each Stock Option and SAR that is then held by the Participant or by the Participant's permitted transferees, if any, will cease to be exercisable and will terminate and all other Awards that are then held by the Participant or by the Participant's permitted transferees, if any, to the extent not already vested will be forfeited.

(B) Subject to (C) and (D) below, all Stock Options and SARs held by the Participant or the Participant's permitted transferees, if any, immediately prior to the cessation of the Participant's Employment, to the extent then exercisable, will remain exercisable for the lesser of (i) a period of three months or (ii) the period ending on the latest date on which such Stock Option or SAR could have been exercised without regard to this Section 6(a)(iv), and will thereupon immediately terminate.

(C) All Stock Options and SARs held by a Participant or the Participant's permitted transferees, if any, immediately prior to the Participant's death, to the extent then exercisable, will remain exercisable for the lesser of (i) the one year period ending with the first anniversary of the Participant's death or (ii) the period ending on the latest date on which such Stock Option or SAR could have been exercised without regard to this Section 6(a)(iv), and will thereupon immediately terminate.

(D) All Stock Options and SARs (whether or not exercisable) held by a Participant or the Participant's permitted transferees, if any, immediately prior to the cessation of the Participant's Employment will immediately terminate upon such notice of cessation of Employment if the termination is for Cause or occurs in circumstances that in the sole determination of the Administrator would have constituted grounds for the Participant's Employment to be terminated for Cause.

(v) **Additional Restrictions.** The Administrator may cancel, rescind, withhold or otherwise limit or restrict any Award at any time if the Participant is not in compliance with all applicable provisions of the Award agreement and the Plan, or if the Participant breaches any agreement with the Company or its Affiliates with respect to confidentiality. Without limiting the generality of the foregoing, the Administrator may recover Awards made under the Plan and payments under or gain in respect of any Award to the extent required to comply with Company policy, including the Company's Clawback Policy.

(vi) **Taxes.** The delivery, vesting and retention of Stock, cash or other property under an Award are conditioned upon full satisfaction by the Participant of all tax withholding requirements with respect to the Award. The Administrator will prescribe such rules for the withholding of taxes as it deems necessary. The Administrator may, but need not, hold back shares of Stock from an Award or permit a Participant to tender previously owned shares of Stock in satisfaction of tax withholding requirements (but not in excess of the maximum statutory withholding rate).

(vii) **Dividend Equivalents, Etc.** The Administrator may provide for the payment of amounts (on terms and subject to conditions established by the Administrator, except to the extent provided otherwise in this Section 6(a)(vii)) in lieu of cash dividends or other cash distributions with respect to Stock subject to an Award whether or not the holder of such Award is otherwise entitled to share in the actual dividend or distribution in respect of such Award. Any entitlement to dividend equivalents or similar entitlements will be established and administered either consistent with an exemption from, or in compliance with, the requirements of Section 409A. Dividends or dividend equivalent amounts payable in respect of Awards shall be subject to the same limits or restrictions as the Awards to which they relate and shall not be payable until such Awards vest. Notwithstanding the foregoing, no Stock Options or SARs shall provide for payment or accrual of dividends or dividend equivalents.

(viii) **Rights Limited.** Nothing in the Plan will be construed as giving any person the right to continued employment or service with the Company or its Affiliates, or any rights as a stockholder except as to shares of Stock actually issued under the Plan. The loss of existing or potential profit in Awards will not constitute an element of damages in the event of termination of Employment for any reason, even if the termination is in violation of an obligation of the Company or any Affiliate to the Participant.

(ix) **Coordination with Other Plans.** Awards under the Plan may be granted in tandem with, or in satisfaction of or substitution for, other Awards under the Plan or awards made under other compensatory plans or programs of the Company or its Affiliates. For example, but without limiting the generality of the foregoing, awards under other compensatory plans or programs of the Company or its Affiliates may be settled in Stock (including, without limitation, Unrestricted Stock) if the Administrator so determines, in which case the shares delivered will be treated as awarded under the Plan (and will reduce the number of shares thereafter available under the Plan in accordance with the rules set forth in Section 4).

(x) **Section 409A.** Each Award will contain such terms as the Administrator determines, and will be construed and administered, such that the Award either qualifies for an exemption from the requirements of Section 409A or satisfies such requirements.

(b) Stock Options and SARs.

(i) **Time and Manner of Exercise.** Unless the Administrator expressly provides otherwise, no Stock Option or SAR will be deemed to have been exercised until the Administrator receives a notice of exercise (in form acceptable to the Administrator), which may be an electronic notice, signed (including electronic signature in form acceptable to the Administrator) by the appropriate person and accompanied by any payment required under the Award. A Stock Option or SAR exercised by any person other than the Participant will not be deemed to have been exercised until the Administrator has received such evidence as it may require that the person exercising the Award has the right to do so.

(ii) **Exercise Price.** The exercise price (or the base value from which appreciation is to be measured) of each Award requiring exercise will be no less than 100% (or in the case of an ISO granted to a ten-percent shareholder within the meaning of Section 422, 110%) of the Fair Market Value of the Stock subject to the Award, determined as of the date of grant, or such higher amount as the Administrator may determine in connection with the grant.

(iii) **Payment of Exercise Price.** Where the exercise of an Award is to be accompanied by payment, payment of the exercise price will be by cash or check acceptable to the Administrator or by such other legally permissible means, if any, as may be acceptable to the Administrator.

(iv) **Maximum Term.** Stock Options and SARs will have a maximum term not to exceed 10 years from the date of grant (or five years from the date of grant in the case of an ISO granted to a ten-percent shareholder described in [Section 6\(b\)\(ii\)](#) above); provided, however, that, if a Participant still holding an outstanding but unexercised NSO or SAR 10 years from the date of grant (or, in the case of an NSO or SAR with a maximum term of less than 10 years, such maximum term) is prohibited by applicable law from exercising such Stock Options or SARs, and if at such time the Stock is publicly traded (as determined by the Administrator), the maximum term of such Award will instead be deemed to expire on the 30th day following the date the Participant is no longer prohibited from engaging in such open market sales.

(v) **No Repricing without Stockholder Approval.** The Company shall not, without stockholder approval (except in the case of a change in the Company's capitalization (as described in [Section 7\(b\)](#)), (A) reduce the exercise price of a Stock Option or SAR, (B) other than in the case of Covered Transaction, at any time when the exercise price of a Stock Option or SAR is above the Fair Market Value of a share of Stock, cancel and re-grant or exchange such Stock Option or SAR for cash or a new Award having a lower (or no) exercise price, or (c) take any other action with respect to an Award that would be treated as a repricing under generally accepted accounting principles.

(vi) **No Reload Grants.** Stock Options shall not be granted under the Plan in consideration for, and shall not be conditioned upon the delivery of, shares of Stock to the Company in payment of the exercise price and/or tax withholding obligation under any other employee stock option.

7. EFFECT OF CERTAIN TRANSACTIONS

(a) **Mergers, etc.** Except as otherwise provided in an Award agreement, the following provisions will apply in the event of a Covered Transaction:

(i) **Assumption or Substitution.** If the Covered Transaction is one in which there is an acquiring or surviving entity, the Administrator may (but, for the avoidance of doubt, need not) provide (i) for the assumption or continuation of some or all outstanding Awards or any portion thereof or (ii) for the grant of new awards in substitution therefor by the acquiror or survivor or an affiliate of the acquiror or survivor. Notwithstanding any provision of this [Section 7](#), in the event of a Covered Transaction in which the acquiring or surviving entity does not assume or continue outstanding Awards or provide for the grant of new awards in substitution therefor, all Awards that are not assumed, continued or substituted for shall be treated as follows effective immediately prior to the Covered Transaction: (A) in the case of a Stock Option or SAR, the Participant shall have the ability to exercise such Stock Option or SAR, including any portion of the Stock Option or SAR not previously exercisable, (B) in the case of any Award the vesting of which is in whole or in part subject to Performance Criteria, all conditions to the grant, issuance, retention, vesting or transferability of, or any other restrictions applicable to, such Award shall immediately lapse and the Participant shall have the right to receive a payment based on target level achievement or actual performance through a date determined by the Committee, as determined by the Committee, and (C) in the case of any other Award all conditions to the grant, issuance, retention, vesting or transferability of, or any other restrictions applicable to, such Award shall immediately lapse. In no event shall any action be taken pursuant to this [Section 7\(a\)\(i\)](#) that would change the payment or settlement date of an Award in a manner that would result in the imposition of any additional taxes or penalties pursuant to Section 409A of the Code.

(ii) **Cash-Out of Awards.** Subject to [Section 7\(a\)\(v\)](#) below the Administrator may (but, for the avoidance of doubt, need not) provide for payment (a "cash-out"), with respect to some or all Awards or any

portion thereof, equal in the case of each affected Award or portion thereof to the excess, if any, of (A) the fair market value of one share of Stock (as determined by the Administrator in its reasonable discretion) times the number of shares of Stock subject to the Award or such portion, over (B) the aggregate exercise or purchase price, if any, under the Award or such portion (in the case of an SAR, the aggregate base value above which appreciation is measured), in each case on such payment terms (which need not be the same as the terms of payment to holders of Stock) and other terms, and subject to such conditions, as the Administrator determines; provided, however, that if the fair market value of one share of Stock (as determined by the Administrator in its reasonable discretion) does not exceed the exercise price of such Award, then the Award shall be cancelled without any payment of consideration therefor.

(iii) **Acceleration of Certain Awards.** Subject to Section 7(a)(v) below, the Administrator may (but, for the avoidance of doubt, need not) provide that any Award requiring exercise will become exercisable, in full or in part and/or that the delivery of any shares of Stock remaining deliverable under any outstanding Award of Stock Units (including Restricted Stock Units and Performance Awards to the extent consisting of Stock Units) will be accelerated in full or in part, in each case on a basis that gives the holder of the Award a reasonable opportunity, as determined by the Administrator, following exercise of the Award or the delivery of the shares, as the case may be, to participate as a stockholder in the Covered Transaction.

(iv) **Termination of Awards Upon Consummation of Covered Transaction.** Except as the Administrator may otherwise determine in any case, each Award will automatically terminate (and in the case of outstanding shares of Restricted Stock, will automatically be forfeited) upon consummation of the Covered Transaction, other than Awards assumed or continued pursuant to Section 7(a)(i) above.

(v) **Additional Limitations.** Any share of Stock and any cash or other property delivered pursuant to Section 7(a)(ii) or Section 7(a)(iii) above with respect to an Award may, in the discretion of the Administrator, contain such restrictions, if any, as the Administrator deems appropriate to reflect any Performance Criteria or other vesting conditions to which the Award was subject and that did not lapse (and were not satisfied) in connection with the Covered Transaction. For purposes of the immediately preceding sentence, a cash-out under Section 7(a)(ii) above or acceleration under Section 7(a)(iii) above will not, in and of itself, be treated as the lapsing (or satisfaction) of a Performance Criteria or other vesting condition. In the case of Restricted Stock that does not vest and is not forfeited in connection with the Covered Transaction, the Administrator may require that any amounts delivered, exchanged or otherwise paid in respect of such Stock in connection with the Covered Transaction be placed in escrow or otherwise made subject to such restrictions as the Administrator deems appropriate to carry out the intent of the Plan.

(b) Changes in and Distributions With Respect to Stock.

(i) **Basic Adjustment Provisions.** In the event of a stock dividend, stock split or combination of shares (including a reverse stock split), recapitalization or other change in the Company's capital structure that constitutes an equity restructuring within the meaning of FASB ASC 718, the Administrator will make appropriate adjustments to the maximum number of shares specified in Section 4(a) that may be delivered under the Plan and will also make appropriate adjustments to the number and kind of shares of stock or securities subject to Awards then outstanding or subsequently granted, any exercise prices relating to Awards and any other provision of Awards affected by such change.

(ii) **Certain Other Adjustments.** The Administrator may also make adjustments of the type described in Section 7(b)(i) above to take into account distributions to stockholders other than those provided

for in Section 7(a) and 7(b)(i), or any other event, if the Administrator determines that adjustments are appropriate to avoid distortion in the operation of the Plan, having due regard for the qualification of ISOs under Section 422 and the requirements of Section 409A, where applicable.

(iii) **Continuing Application of Plan Terms.** References in the Plan to shares of Stock will be construed to include any stock or securities resulting from an adjustment pursuant to this Section 7.

8. LEGAL CONDITIONS ON DELIVERY OF STOCK

The Company will not be obligated to deliver any shares of Stock pursuant to the Plan or to remove any restriction from shares of Stock previously delivered under the Plan until: (a) the Company is satisfied that all legal matters in connection with the issuance and delivery of such shares have been addressed and resolved; (b) if the outstanding Stock is at the time of delivery listed on any stock exchange or national market system, the shares to be delivered have been listed or authorized to be listed on such exchange or system upon official notice of issuance; and (c) all conditions of the Award have been satisfied or waived. The Company may require, as a condition to exercise of the Award, such representations or agreements as counsel for the Company may consider appropriate to avoid violation of the Securities Act or any applicable state or non-U.S. securities law. Any Stock required to be issued to Participants under the Plan will be evidenced in such manner as the Administrator may deem appropriate, including book-entry registration or delivery of stock certificates. In the event that the Administrator determines that Stock certificates will be issued to Participants under the Plan, the Administrator may require that certificates evidencing Stock issued under the Plan bear an appropriate legend reflecting any restriction on transfer applicable to such Stock, and the Company may hold the certificates pending lapse of the applicable restrictions.

9. AMENDMENT AND TERMINATION

The Administrator may at any time or times amend the Plan or any outstanding Award for any purpose which may at the time be permitted by law, and may at any time terminate the Plan as to any future grants of Awards; provided, that except as otherwise expressly provided in the Plan the Administrator may not, without the Participant's consent, alter the terms of an Award so as to affect materially and adversely the Participant's rights under the Award, unless the Administrator expressly reserved the right to do so at the time the Award was granted. Any amendments to the Plan will be conditioned upon stockholder approval only to the extent, if any, such approval is required by law (including the Code and applicable stock exchange requirements), as determined by the Administrator.

10. OTHER COMPENSATION ARRANGEMENTS

The existence of the Plan or the grant of any Award will not in any way affect the Company's right to Award a person bonuses or other compensation in addition to Awards under the Plan.

11. MISCELLANEOUS

(a) **Waiver of Jury Trial.** By accepting an Award under the Plan and to the extent permitted under applicable law, each Participant waives any right to a trial by jury in any action, proceeding or counterclaim concerning any rights under the Plan and any Award, or under any amendment, waiver, consent, instrument, document or other agreement delivered or which in the future may be delivered in connection therewith, and agrees that any such action, proceedings or counterclaim will be tried before a court and not before a jury. By accepting an Award under the Plan, each Participant certifies that no officer, representative, or attorney of the Company has represented, expressly or otherwise, that the Company would not, in the event of any action, proceeding or counterclaim, seek to enforce the foregoing waivers. Notwithstanding anything to the contrary in the Plan, nothing herein is to be construed as limiting the ability of the Company and a Participant to agree to submit disputes arising under the terms of the Plan or any Award made hereunder to binding arbitration or as limiting the ability of the Company to require any eligible individual to agree to submit such disputes to binding arbitration as a condition of receiving an Award hereunder.

(b) **Limitation of Liability.** Notwithstanding anything to the contrary in the Plan, neither the Company, nor any Affiliate, nor the Administrator, nor any person acting on behalf of the Company, any Affiliate, or the Administrator, will be liable to any Participant or to the estate or beneficiary of any Participant or to any other holder of an Award by reason of any acceleration of income, or any additional tax (including any interest and penalties), asserted by reason of the failure of an Award to satisfy the requirements of Section 422 or Section 409A or by reason of Section 4999 of the Code, or otherwise asserted with respect to the Award.

12. ESTABLISHMENT OF SUB-PLANS

The Administrator may from time to time establish one or more sub-plans under the Plan for purposes of satisfying applicable blue sky, securities or tax laws of various jurisdictions. The Administrator will establish such sub-plans by adopting supplements to the Plan setting forth (a) such limitations on the Administrator's discretion under the Plan as it deems necessary or desirable and (b) such additional terms and conditions not otherwise inconsistent with the Plan as it deems necessary or desirable. All supplements so established will be deemed to be part of the Plan, but each supplement will apply only to Participants within the affected jurisdiction (as determined by the Administrator).

13. GOVERNING LAW

(a) **Certain Requirements of Corporate Law.** Awards will be granted and administered consistent with the requirements of applicable Delaware law relating to the issuance of stock and the consideration to be received therefor, and with the applicable requirements of the stock exchanges or other trading systems on which the Stock is listed or entered for trading, in each case as determined by the Administrator.

(b) **Other Matters.** Except as otherwise provided by the express terms of an Award agreement, under a sub-plan described in Section 12 or as provided in Section 13(a) above, the provisions of the Plan and of Awards under the Plan and all claims or disputes arising out of or based upon the Plan or any Award under the Plan or relating to the subject matter hereof or thereof will be governed by and construed in accordance with the domestic substantive laws of the State of Delaware without giving effect to any choice or conflict of laws provision or rule that would cause the application of the domestic substantive laws of any other jurisdiction.

(c) Jurisdiction. By accepting an Award, each Participant will be deemed to (a) have submitted irrevocably and unconditionally to the jurisdiction of the federal and state courts located within the geographic boundaries of the United States District Court for the Northern District of California for the purpose of any suit, action or other proceeding arising out of or based upon the Plan or any Award; (b) agree not to commence any suit, action or other proceeding arising out of or based upon the Plan or an Award, except in the federal and state courts located within the geographic boundaries of the United States District Court for the Northern District of California; and (c) waive, and agree not to assert, by way of motion as a defense or otherwise, in any such suit, action or proceeding, any claim that it is not subject personally to the jurisdiction of the above-named courts that its property is exempt or immune from attachment or execution, that the suit, action or proceeding is brought in an inconvenient forum, that the venue of the suit, action or proceeding is improper or that the Plan or an Award or the subject matter thereof may not be enforced in or by such court.

EXHIBIT A

Definition of Terms

The following terms, when used in the Plan, will have the meanings and be subject to the provisions set forth below:

“Administrator”: The Compensation Committee, except that the Compensation Committee may, subject to applicable law, delegate (i) to one or more of its members (or one or more other members of the Board (including the full Board)) such of its duties, powers and responsibilities as it may determine; (ii) to one or more officers or Employees of the Company the power to grant Awards to the extent permitted by Section 157(c) of the Delaware General Corporation Law; and (iii) to such Employees or other persons as it determines such ministerial tasks as it deems appropriate. In the event of any delegation described in the preceding sentence, the term “Administrator” will include the person or persons so delegated to the extent of such delegation.

“Affiliate”: Any corporation or other entity that stands in a relationship to the Company that would result in the Company and such corporation or other entity being treated as one employer under Section 414(b) and Section 414(c) of the Code.

“Award”: Any or a combination of the following:

- (i) Stock Options.
 - (ii) SARs.
 - (iii) Restricted Stock.
 - (iv) Unrestricted Stock.
 - (v) Stock Units, including Restricted Stock Units.
 - (vi) Performance Awards.
 - (vii) Cash Awards.
-

(viii) Awards (other than Awards described in (i) through (vii) above) that are convertible into or otherwise based on Stock.

“Board”: The Board of Directors of the Company.

“Cash Award”: An Award denominated in cash.

“Cause”: In the case of any Participant who is party to an employment or severance-benefit agreement that contains a definition of “Cause,” the definition set forth in such agreement will apply with respect to such Participant under the Plan. In the case of any other Participant, “Cause” will mean, as determined by the Administrator in its reasonable judgment, (i) a substantial failure of the Participant to perform the Participant’s duties and responsibilities to the Company or subsidiaries or substantial negligence in the performance of such duties and responsibilities; (ii) the commission by the Participant of a felony or a crime involving moral turpitude; (iii) the commission by the Participant of theft, fraud, embezzlement, material breach of trust or any material act of dishonesty involving the Company or any of its subsidiaries; (iv) a significant violation by the Participant of the code of conduct of the Company or its subsidiaries of any material policy of the Company or its subsidiaries, or of any statutory or common law duty of loyalty to the Company or its subsidiaries; (v) material breach of any of the terms of the Plan or any Award made under the Plan, or of the terms of any other agreement between the Company or subsidiaries and the Participant; or (vi) other conduct by the Participant that could be expected to be harmful to the business, interests or reputation of the Company.

“Code”: The U.S. Internal Revenue Code of 1986 as from time to time amended and in effect, or any successor statute as from time to time in effect.

“Company”: Ultragenyx Pharmaceutical Inc., and except as utilized in the definition of Covered Transaction, any successor corporation.

“Compensation Committee”: The Compensation Committee of the Board.

“Covered Transaction”: The occurrence of any one of the following events:

(i) a consolidation, merger, or similar transaction or series of related transactions in which the Company is not the surviving corporation or which results in the acquisition of all or substantially all of the Company’s then outstanding Stock by a single person or entity or by a group of persons and/or entities acting in concert (a **“Transaction”**), excluding a Transaction which would result in the holders of the voting securities of the Company outstanding immediately prior to such merger or consolidation continuing to represent (either by remaining outstanding or by being converted into voting securities of the surviving entity or any parent thereof) at least 50% of the combined voting power of the securities of the Company or such surviving entity or any parent thereof outstanding immediately after such merger or consolidation;

(ii) a sale or transfer of all or substantially all the Company’s assets, excluding a sale or transfer to an entity, at least 50% of the combined voting power of the voting securities of which is owned by stockholders of the Company in substantially the same proportions as their ownership of the Company immediately prior to such sale; or

(iii) a dissolution or liquidation of the Company.

Where a Covered Transaction involves a tender offer that is reasonably expected to be followed by a merger described in clause (i) (as determined by the Administrator), the Covered Transaction will be deemed to have occurred upon consummation of the tender offer. Notwithstanding the foregoing, for each Award that constitutes deferred compensation under Section 409A, and to the extent required to avoid accelerated taxation and/or tax penalties under Section 409A, a Covered Transaction shall be deemed to have occurred under the Plan with respect to such Award only if a change in the ownership or effective control of the Company or a change in ownership of a substantial portion of the assets of the Company shall also be deemed to have occurred under Section 409A.

“Date of Adoption”: April 20, 2024.

“Employee”: Any person who is employed by the Company or an Affiliate.

“Employment”: A Participant’s employment or other service relationship with the Company and its Affiliates, which may include service as a director, consultant or independent contractor. Employment will be deemed to continue, unless the Administrator expressly provides otherwise, so long as the Participant is employed by, or otherwise is providing services in a capacity described in Section 5 to the Company or an Affiliate. If a Participant’s employment or other service relationship is with an Affiliate and that entity ceases to be an Affiliate, the Participant’s Employment will be deemed to have terminated when the entity ceases to be an Affiliate unless the Participant transfers Employment to the Company or its remaining Affiliates. Notwithstanding the foregoing and the definition of “Affiliate” above, in construing the provisions of any Award relating to the payment of “nonqualified deferred compensation” (subject to Section 409A) upon a termination or cessation of Employment, references to termination or cessation of employment, separation from service, retirement or similar or correlative terms will be construed to require a “separation from service” (as that term is defined in Section 1.409A-1(h) of the Treasury Regulations) from the Company and from all other corporations and trades or businesses, if any, that would be treated as a single “service recipient” with the Company under Section 1.409A-1(h)(3) of the Treasury Regulations. The Company may, but need not, elect in writing, subject to the applicable limitations under Section 409A, any of the special elective rules prescribed in Section 1.409A-1(h) of the Treasury Regulations for purposes of determining whether a “separation from service” has occurred. Any such written election will be deemed a part of the Plan.

“Fair Market Value”:

(a) If the Stock is readily traded on an established national exchange or trading system (including the Nasdaq Global Market), the closing price of the Stock as reported by the principal exchange on which such Stock is traded; provided, however, that if such day is not a trading day, Fair Market Value will mean the reported closing price of the Stock for the immediately preceding day that is a trading day.

(b) If the Stock is not traded on an established national exchange or trading system, the average of the bid and ask prices for such Stock where the bid and ask prices are quoted.

(c) If the Stock cannot be valued pursuant to clauses (a) or (b), the value as determined in good faith by the Board in its sole discretion consistent with the rules of Section 422 and Section 409A to the extent applicable.

“ISO”: A Stock Option intended to be an “incentive stock option” within the meaning of Section 422. Each Stock Option granted pursuant to the Plan will be treated as providing by its terms that it is to be an NSO unless, as of the date of grant, it is expressly designated as an ISO.

“NSO”: A Stock Option that is not intended to be an “incentive stock option” within the meaning of Section 422.

“Participant”: A person who is granted an Award under the Plan.

“Original Effective Date”: June 7, 2023.

“Performance Award”: An Award subject to Performance Criteria.

“Performance Criteria”: Specified criteria, other than the mere continuation of Employment or the mere passage of time, the satisfaction of which is a condition for the grant, exercisability, vesting or full enjoyment of an Award. Performance Criteria will include but not be limited to any objectively determinable measure of performance relating to any, or any combination, of the following (measured either absolutely or by reference to an index or indices and determined either on a consolidated basis or, as the context permits, on a divisional, subsidiary, line of business, project or geographical basis or in combinations thereof): sales; revenues; assets; expenses; earnings from operations; earnings before or after deduction for all or any portion of interest, taxes, depreciation, amortization, incentives, service fees or extraordinary or special items, whether or not on a continuing operations or an aggregate or per share basis; net income or net income per common share (basic or diluted); return on equity, investment, capital or assets; one or more operating ratios; borrowing levels, leverage ratios or credit rating; market share; capital expenditures; cash flow, free cash flow, cash flow return on investment, or net cash provided by operations; stock price, dividends or total stockholder return; development of new technologies or products; sales of particular products or services; economic value created or added; operating margin or profit margin; customer acquisition or retention; raising or refinancing of capital; successful hiring of key individuals; resolution of significant litigation; acquisitions and divestitures (in whole or in part); joint ventures and strategic alliances; spin-offs, split-ups and the like; reorganizations; recapitalizations, restructurings, financings (issuance of debt or equity) or refinancings; or strategic business criteria, consisting of one or more objectives based on the following goals: meeting specified market penetration or value added, product development or introduction (including, without limitation, any clinical trial accomplishments, regulatory or other filings or approvals, or other product development milestones), geographic business expansion, cost targets, cost reductions or savings, customer satisfaction, operating efficiency, acquisition or retention, employee satisfaction, information technology, corporate development (including, without limitation, licenses, innovation, research or establishment of third party collaborations), manufacturing or process development, legal compliance or risk reduction, patent application or issuance goals, or goals relating to acquisitions or divestitures (in whole or in part), joint ventures or strategic alliances. Performance Criteria and any targets with respect thereto determined by the Administrator need not be based upon an increase, a positive or improved result or avoidance of loss.

“Plan”: The Ultragenyx Pharmaceutical Inc. 2023 Incentive Plan as amended and restated effective as of the Effective Date, and as from time to time amended and in effect.

“Prior Plans”: The Ultragenyx Pharmaceutical Inc. 2011 Incentive Plan and the Ultragenyx Pharmaceutical Inc. 2014 Incentive Plan, in each case as amended from time to time.

“Restricted Stock”: Stock subject to restrictions requiring that it be redelivered or offered for sale to the Company if specified conditions are not satisfied.

“Restricted Stock Unit”: A Stock Unit that is, or as to which the delivery of Stock or cash in lieu of Stock is, subject to the satisfaction of specified performance or other vesting conditions.

“SAR”: A right entitling the holder upon exercise to receive an amount (payable in cash or in shares of Stock of equivalent value) equal to the excess of the Fair Market Value of the shares of Stock subject to the right over the base value from which appreciation under the SAR is to be measured.

“Section 409A”: Section 409A of the Code.

“Section 422”: Section 422 of the Code.

“Securities Act”: The U.S. Securities Act of 1933, as amended.

“Stock”: Common stock of the Company, par value \$0.001 per share.

“Stock Option”: An option entitling the holder to acquire shares of Stock upon payment of the exercise price.

“Stock Unit”: An unfunded and unsecured promise, denominated in shares of Stock, to deliver Stock or cash measured by the value of Stock in the future.

“Unrestricted Stock”: Stock not subject to any restrictions under the terms of the Award.

**SECOND AMENDMENT TO THE
ULTRAGENYX PHARMACEUTICAL INC.
EMPLOYMENT INDUCEMENT PLAN**

WHEREAS, Ultragenyx Pharmaceutical Inc., a Delaware corporation (the “Company”) maintains the Ultragenyx Pharmaceutical Inc. Employment Inducement Plan, as amended (the “Plan”); and

WHEREAS, pursuant to Section 9 of the Plan, the Compensation Committee may amend the Plan at any time and for any purpose as permitted by law, including to increase the maximum number of shares of Stock for which awards may be granted under the Plan.

NOW, THEREFORE, pursuant to its authority under Section 9 of the Plan, the Board of Directors of the Company hereby amends the Plan as follows, effective as of June 26, 2024 (the “Amendment Effective Date”):

1. Section 4(a) of the Plan is hereby amended and restated in its entirety to read as follows:

“(a) **Number of Shares.** The maximum number of shares of Stock that may be delivered in satisfaction of Awards under the Plan is 1,200,000. For purposes of this Section 4(a), the aggregate number of shares available for issuance under this Plan at any time shall not be reduced by (i) shares subject to Awards that have been terminated, expired unexercised, forfeited or settled in cash, (ii) shares subject to Awards that have been retained or withheld by the Company in payment or satisfaction of the exercise price, purchase price or tax withholding obligation of an Award, or (iii) shares subject to Awards that otherwise do not result in the issuance of shares in connection with payment or settlement thereof. In addition, shares that have been delivered (either actually or by attestation) to the Company in payment or satisfaction of the exercise price, purchase price or tax withholding obligation of an Award shall be available for issuance under this Plan.”

2. This Second Amendment shall be governed by and construed in accordance with the domestic substantive laws of the State of Delaware without giving effect to any choice or conflict of laws provision or rule that would cause the application of the domestic substantive laws of any other jurisdiction.
3. All capitalized terms used but not otherwise defined herein shall have the meaning assigned to them in the Plan. Except as expressly amended hereby, the Plan shall remain in full force and effect in accordance with its terms.

[Signature Page Follows]

IN WITNESS WHEREOF, the undersigned has executed this Second Amendment to the Ultragenyx Pharmaceutical Inc. Employment Inducement Plan, effective as of the Amendment Effective Date, subject to the approval of the Board.

ULTRAGENYX PHARMACEUTICAL INC.

By: /s/ Emil D. Kakkis, M.D., Ph.D.

Name: Emil D. Kakkis, M.D., Ph.D.

Title: President and Chief Executive Officer

SIGNATURE PAGE TO
SECOND AMENDMENT TO THE
ULTRAGENYX PHARMACEUTICAL INC.
EMPLOYMENT INDUCEMENT PLAN

GIBSON DUNN

Exhibit 5.1

July 12, 2024

Ultragenyx Pharmaceutical Inc.
60 Leveroni Court
Novato, CA 94949

Re: Ultragenyx Pharmaceutical Inc.
Registration Statement on Form S-8

Ladies and Gentlemen:

We have examined the Registration Statement on Form S-8 (the "Registration Statement") of Ultragenyx Pharmaceutical Inc., a Delaware corporation (the "Company") filed with the Securities and Exchange Commission (the "Commission") pursuant to the Securities Act of 1933, as amended (the "Securities Act"), in connection with the offering by the Company of up to (a) 4,000,000 shares of the Company's common stock, par value \$0.001 per share (the "Common Stock"), issuable to eligible individuals under the Company's Amended and Restated 2023 Incentive Plan (the "2023 Plan"), and (b) 350,000 additional shares of Common Stock issuable to eligible individuals under the Company's Employment Inducement Plan, as amended (together with the 2023 Plan, the "Plans").

We have examined the Plans and the originals, or photostatic or certified copies, of such records of the Company and certificates of officers of the Company and of public officials and such other documents as we have deemed relevant and necessary as the basis for the opinions set forth below. We have also made such other investigations as we have deemed relevant and necessary or appropriate in connection with the opinion hereinafter set forth. In our examination, we have assumed the genuineness of all signatures, the legal capacity and competency of all natural persons, the authenticity of all documents submitted to us as originals and the conformity to original documents of all documents submitted to us as copies. We have also assumed that there are no agreements or understandings between or among the Company and any participants in the Plans that would expand, modify or otherwise affect the terms of the Plans or the respective rights or obligations of the participants thereunder. Finally, we have assumed the accuracy of all other information provided to us by the Company during the course of our investigations, on which we have relied in issuing the opinion expressed below.

GIBSON DUNN

Based upon the foregoing examination and in reliance thereon, and subject to the assumptions stated and in reliance on statements of fact contained in the documents that we have examined, we are of the opinion that the shares of Common Stock issuable under the Plans, when issued and sold in accordance with the terms of the respective Plans and against payment therefor, and when the Registration Statement has become effective under the Securities Act, will be validly issued, fully paid and non-assessable.

We render no opinion herein as to matters involving the laws of any jurisdiction other than the Delaware General Corporation Law (the “DGCL”). We are not admitted to practice in the State of Delaware; however, we are generally familiar with the DGCL as currently in effect and have made such inquiries as we consider necessary to render the opinions above. This opinion is limited to the effect of the current state of the law of the DGCL and the facts as they currently exist. We assume no obligation to revise or supplement this opinion in the event of future changes in such law or the interpretations thereof or such facts.

We consent to the filing of this opinion as an exhibit to the Registration Statement. In giving this consent, we do not thereby admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the Rules and Regulations of the Commission.

Very truly yours,

/s/ GIBSON, DUNN & CRUTCHER LLP

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the Amended and Restated 2023 Incentive Plan and the Employment Inducement Plan of Ultragenyx Pharmaceutical Inc. of our reports dated February 21, 2024, with respect to the consolidated financial statements of Ultragenyx Pharmaceutical Inc. and the effectiveness of internal control over financial reporting of Ultragenyx Pharmaceutical, Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2023, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

San Mateo, California

July 12, 2024

Calculation of Filing Fee Tables

FORM S-8

(Form Type)

ULTRAGENYX PHARMACEUTICAL INC.

(Exact Name of Registrant as Specified in its Charter)

Table 1: Newly Registered Securities

Security Type	Security Class Title (1)	Fee Calculation Rule	Amount Registered	Proposed Maximum Offering Price Per Unit	Maximum Aggregate Offering Price	Fee Rate	Amount of Registration Fee
Equity	Common stock, \$0.001 par value per share	Rule 457(c) and Rule 457(h) (2)	4,000,000 (3)	\$40.33	\$161,320,000	\$147.60 per \$1,000,000	\$23,810.83
Equity	Common stock, \$0.001 par value per share	Rule 457(c) and Rule 457(h) (2)	350,000 (4)	\$40.33	\$14,115,500	\$147.60 per \$1,000,000	\$2,083.45
Total Offering Amounts					\$175,435,500		\$25,894.28
Total Fee Offsets							—
Net Fee Due							\$25,894.28

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the “Securities Act”), this Registration Statement on Form S-8 (this “Registration Statement”) shall also cover any additional shares of common stock, par value \$0.001 per share (the “Common Stock”) of Ultragenyx Pharmaceutical Inc. that become issuable under the Ultragenyx Pharmaceutical Inc. Amended and Restated 2023 Incentive Plan (the “2023 Plan”) and the Ultragenyx Pharmaceutical Inc. Employment Inducement Plan, as amended (the “Inducement Plan”), to prevent dilution in the event of stock splits, stock dividends or similar transactions.
- (2) Estimated solely for the purpose of calculating the registration fee pursuant to Rules 457(c) and (h) under the Securities Act, and based on the average of the high and low sale prices of the Common Stock, as quoted on The Nasdaq Global Select Market, on July 5, 2024.
- (3) Represents 4,000,000 shares of Common Stock reserved for issuance under the 2023 Plan.
- (4) Represents the additional 350,000 shares of Common Stock reserved for issuance under the Inducement Plan.

