

Registration No. _____

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Form S-8

REGISTRATION STATEMENT
Under
THE SECURITIES ACT OF 1933

INCYTE PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

Delaware

94-3136539

(State or other jurisdiction of
incorporation or organization)

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

3174 Porter Drive
Palo Alto, California

94304

(Address of Principal Executive Offices)

(Zip Code)

1991 STOCK PLAN OF INCYTE PHARMACEUTICALS, INC.

(Full title of the plan)

ROY A. WHITFIELD
Chief Executive Officer
Incyte Pharmaceuticals, Inc.
3174 Porter Drive
Palo Alto, California 94304
(415) 855-0555

Copy to:
STANTON D. WONG, ESQ.
Pillsbury Madison & Sutro LLP
P.O. Box 7880
San Francisco, CA 94120
(415) 983-1000

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

CALCULATION OF REGISTRATION FEE

Title of Securities To Be Registered	Amount To Be Registered(1)	Proposed Maximum Offering Price per Share(2)	Proposed Maximum Aggregate Offering Price(2)	Amount of Registration Fee
Common Stock, \$.001 par value(3)	1,100,000 shares	\$27.15625	\$29,871,875	\$8304.38

- (1) Calculated pursuant to General Instruction E to Form S-8.
- (2) Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(c), based upon the average of the high and low sales prices of the Company's Common Stock on the Nasdaq National Market on July 15, 1999.
- (3) Associated with the Company's Common Stock are Preferred Stock Purchase Rights which will not be exercisable or evidenced separately from the Common Stock prior to the occurrence of certain events.

The Registration Statement shall become effective upon filing in accordance
with Rule 462 under the Securities Act of 1933.

INFORMATION REQUIRED PURSUANT

TO GENERAL INSTRUCTION E TO FORM S-8

GENERAL INSTRUCTION E INFORMATION

This Registration Statement is being filed for the purpose of increasing the number of securities of the same class as other securities for which a Registration Statement of the Registrant on Form S-8 relating to the same employee benefit plan is effective.

Registrant's Form S-8 Registration Statements filed with the Securities and Exchange Commission on September 9, 1998 (File No. 333-63069), July 16, 1997 (File No. 333-31413), October 4, 1996 (File No. 333- 13449), June 20, 1995 (File No. 33-93666) and on March 10, 1994 (File No. 33-76344) are hereby incorporated by reference in this Registration Statement.

Part II

INCORPORATION OF DOCUMENTS BY REFERENCE

The following documents previously filed by Registrant with the Commission are hereby incorporated by reference in this Registration Statement:

(1) Registrant's Annual Report on Form 10-K (File No. 0-27488) for the fiscal year ended December 31, 1998;

(2) Registrant's Quarterly Report on Form 10-Q (File No. 0-27488) for the quarter ended March 31, 1999;

(3) Registrant's Current Report on Form 8-K dated February 3, 1999 (File No. 0-27488);

(4) The description of the Common Stock contained in Registrant's Registration Statement on Form 8-A filed January 5, 1996 (File No. 0-27488); and

(5) The description of the Series A Participating Preferred Stock Purchase Rights contained in Registrant's Registration Statement on Form 8-A filed September 30, 1998 (File No. 0-27488).

In addition, all documents subsequently filed by Registrant pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act of 1934 prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this Registration Statement and to be a part hereof from the date of filing of such documents.

EXHIBITS

Exhibit Number	Exhibit
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- | | |
|-------|---|
| 5.1 | Opinion of Pillsbury Madison & Sutro LLP. |
| 10.18 | 1991 Stock Plan, as amended and restated on April 16, 1999. |
| 23.1 | Consent of Ernst & Young LLP, Independent Auditors. |
| 23.2 | Consent of PricewaterhouseCoopers LLP, Independent Accountants (with respect to its report on the financial statements of diaDexus, LLC). |
| 23.3 | Consent of Pillsbury Madison & Sutro LLP (included in Exhibit 5.1). |

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, 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 Palo Alto, State of California, on July 20, 1999.

INCYTE PHARMACEUTICALS, INC.

By /s/ Roy A. Whitfield

Roy A. Whitfield
Chief Executive Officer
(Principal Executive Officer)

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Roy A. Whitfield, Randal W. Scott and Elias Lee Bendekgey, and each of them, his true and lawful attorneys-in-fact and agents, each with full power of substitution and resubstitution, for him and in his name, place and stead, 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 exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or his substitute or substitutes, may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the date indicated:

Signature -----	Title -----	Date ----
/s/ Roy A. Whitfield ----- Roy A. Whitfield	Chief Executive Officer (Principal Executive Officer) and Director	July 20, 1999
/s/ Lee Bendekgey ----- Lee Bendekgey	Chief Financial Officer (Principal Financial Officer)	July 20, 1999

/s/ Timothy Henn ----- Timothy Henn	Controller (Principal Accounting Officer)	July 20, 1999
/s/ Randal W. Scott ----- Randal W. Scott	Director	July 20, 1999
/s/ Jeffrey J. Collinson ----- Jeffrey J. Collinson	Chairman of the Board	July 20, 1999
----- Barry M. Bloom	Director	July __, 1999
----- Frederick B. Craves	Director	July __, 1999
/s/ Jon S. Saxe ----- Jon S. Saxe	Director	July 20, 1999

INDEX TO EXHIBITS

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[PILLSBURY MADISON & SUTRO LLP LETTERHEAD]

July 19, 1999

Incyte Pharmaceuticals, Inc.
3174 Porter Drive
Palo Alto, CA 94304

Re: Registration Statement on Form S-8

Ladies and Gentlemen:

With reference to the Registration Statement on Form S-8 to be filed by Incyte Pharmaceuticals, Inc., a Delaware corporation (the "Company"), with the Securities and Exchange Commission under the Securities Act of 1933, relating to 1,100,000 shares of the Company's Common Stock issuable pursuant to the Company's 1991 Stock Plan, as amended and restated on April 16, 1999 (the "Stock Plan"), it is our opinion that such shares of the Common Stock of the Company, when issued and sold in accordance with the Stock Plan, will be duly authorized and legally issued and are fully paid and nonassessable.

We hereby consent to the filing of this opinion with the Securities and Exchange Commission as Exhibit 5.1 to the Registration Statement.

Very truly yours,

/s/ Pillsbury Madison & Sutro LLP

1991 STOCK PLAN OF
INCYTE PHARMACEUTICALS, INC.

SECTION 1. ESTABLISHMENT AND PURPOSE.

The Plan was adopted on November 7, 1991, and most recently amended and restated on April 16, 1999. The purpose of the Plan is to offer selected employees and consultants an opportunity to acquire a proprietary interest in the success of the Company, or to increase such interest, by purchasing Shares of the Company's Stock. The Plan provides both for the direct award or sale of Shares and for the grant of Options to purchase Shares. Options granted under the Plan may include Nonstatutory Options as well as ISOs intended to qualify under section 422 of the Code.

The Plan is intended to comply in all respects with Rule 16b-3 (or its successor) under the Exchange Act and shall be construed accordingly.

SECTION 2. DEFINITIONS.

(a) "Board of Directors" shall mean the Board of Directors of the Company, as constituted from time to time.

(b) "Change in Control" shall mean the occurrence of either of the following events:

(i) A change in the composition of the Board of Directors, as a result of which fewer than one-half of the incumbent directors are directors who either:

(A) Had been directors of the Company 24 months prior to such change; or

(B) Were elected, or nominated for election, to the Board of Directors with the affirmative votes of at least a majority of the directors who had been directors of the Company 24 months prior to such change and who were still in office at the time of the election or nomination; or

(ii) Any "person" (as such term is used in sections 13(d) and 14(d) of the Exchange Act) by the acquisition or aggregation of securities is or becomes the beneficial owner, directly or indirectly, of securities of the Company representing 50 percent or more of the combined voting power of the Company's then outstanding securities ordinarily (and apart from rights accruing under special circumstances) having the right to vote at elections of directors (the "Base Capital Stock"); except that any change in the relative beneficial ownership of the Company's securities by any person resulting solely from a reduction in the aggregate number of outstanding shares of Base Capital Stock, and any decrease thereafter in such person's ownership of securities, shall be disregarded until such person

increases in any manner, directly or indirectly, such person's beneficial ownership of any securities of the Company.

(c) "Code" shall mean the Internal Revenue Code of 1986, as amended.

(d) "Committee" shall mean a committee of the Board of Directors, as described in Section 3(a).

(e) "Company" shall mean Incyte Pharmaceuticals, Inc., a Delaware corporation.

(f) "Employee" shall mean (i) any individual who is a common-law employee of the Company or of a Subsidiary or (ii) an independent contractor who performs services for the Company or a Subsidiary and who is not a member of the Board of Directors. Service as an independent contractor shall be considered employment for all purposes of the Plan except the second sentence of Section 4(a).

(g) "Exchange Act" shall mean the Securities Exchange Act of 1934, as amended.

(h) "Exercise Price" shall mean the amount for which one Share may be purchased upon exercise of an Option, as specified by the Committee in the applicable Stock Option Agreement.

(i) "Fair Market Value," with respect to a Share, shall mean the market price of one Share of Stock, determined by the Committee as follows:

(i) If the Stock was traded over-the-counter on the date in question but was not traded on The Nasdaq Stock Market, then the Fair Market Value shall be equal to the last transaction price quoted for such date by the OTC Bulletin Board or, if not so quoted, shall be equal to the mean between the last reported representative bid and asked prices quoted for such date by the principal automated inter-dealer quotation system on which the Stock is quoted or, if the Stock is not quoted on any such system, by the "Pink Sheets" published by the National Quotation Bureau, Inc.;

(ii) If the Stock was traded on The Nasdaq Stock Market, then the Fair Market Value shall be equal to the last reported sale price quoted for such date by The Nasdaq Stock Market;

(iii) If the Stock was traded on a United States stock exchange on the date in question, then the Fair Market Value shall be equal to the closing price reported for such date by the applicable composite-transactions report; and

(iv) If none of the foregoing provisions is applicable, then the Fair Market Value shall be determined by the Committee in good faith on such basis as it deems appropriate.

In all cases, the determination of Fair Market Value by the Committee shall be conclusive and binding on all persons.

(j) "ISO" shall mean an employee incentive stock option described in section 422(b) of the Code.

(k) "Nonstatutory Option" shall mean an employee stock option not described in sections 422(b) or 423(b) of the Code.

(l) "Offeree" shall mean an individual to whom the Committee has offered the right to acquire Shares under the Plan (other than upon exercise of an Option).

(m) "Option" shall mean an ISO or Nonstatutory Option granted under the Plan and entitling the holder to purchase Shares.

(n) "Optionee" shall mean an individual who holds an Option.

(o) "Plan" shall mean this 1991 Stock Plan of Incyte Pharmaceuticals, Inc.

(p) "Purchase Price" shall mean the consideration for which one Share may be acquired under the Plan (other than upon exercise of an Option), as specified by the Committee.

(q) "Service" shall mean service as an Employee.

(r) "Share" shall mean one share of Stock, as adjusted in accordance with Section 9 (if applicable).

(s) "Stock" shall mean the Common Stock, \$.001 par value, of the Company.

(t) "Stock Option Agreement" shall mean the agreement between the Company and an Optionee which contains the terms, conditions and restrictions pertaining to his or her Option.

(u) "Stock Purchase Agreement" shall mean the agreement between the Company and an Offeree who acquires Shares under the Plan which contains the terms, conditions and restrictions pertaining to the acquisition of such Shares.

(v) "Subsidiary" shall mean any corporation, if the Company and/or one or more other Subsidiaries own not less than 50 percent of the total combined voting power of all classes of outstanding stock of such corporation. A corporation that attains the status of a Subsidiary on a date after the adoption of the Plan shall be considered a Subsidiary commencing as of such date.

(w) "Total and Permanent Disability" shall mean that the Optionee is unable to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment which can be expected to result in death or which has lasted, or can be expected to last, for a continuous period of not less than one year.

SECTION 3. ADMINISTRATION.

(a) Committee Composition. The Plan shall be administered by the Committee. The Committee shall consist of two or more directors of the Company who shall satisfy the requirements of Rule 16b-3 (or its successor) under the Exchange Act with respect to the grant of Awards to

persons who are officers or directors of the Company under Section 16 of the Exchange Act or the Board itself. The Board may also appoint one or more separate committees of the Board, each composed of one or more directors of the Company who need not qualify under Rule 16b-3, who may administer the Plan with respect to Employees who are not considered officers or directors of the Company under Section 16 of the Exchange Act, may grant Shares and Options under the Plan to such Employees and may determine all terms of such grants.

(b) Committee Procedures. The Board of Directors shall designate one of the members of the Committee as chairman. The Committee may hold meetings at such times and places as it shall determine. The acts of a majority of the Committee members present at meetings at which a quorum exists, or acts reduced to or approved in writing by all Committee members, shall be valid acts of the Committee.

(c) Committee Responsibilities. Subject to the provisions of the Plan, the Committee shall have full authority and discretion to take the following actions:

(i) To interpret the Plan and to apply its provisions;

(ii) To adopt, amend or rescind rules, procedures and forms relating to the Plan;

(iii) To authorize any person to execute, on behalf of the Company, any instrument required to carry out the purposes of the Plan;

(iv) To determine when Shares are to be awarded or offered for sale and when Options are to be granted under the Plan;

(v) To select the Offerees and Optionees;

(vi) To determine the number of Shares to be offered to each Offeree or to be made subject to each Option;

(vii) To prescribe the terms and conditions of each award or sale of Shares, including (without limitation) the Purchase Price, and to specify the provisions of the Stock Purchase Agreement relating to such award or sale;

(viii) To prescribe the terms and conditions of each Option, including (without limitation) the Exercise Price, to determine whether such Option is to be classified as an ISO or as a Nonstatutory Option, and to specify the provisions of the Stock Option Agreement relating to such Option;

(ix) To amend any outstanding Stock Purchase Agreement or Stock Option Agreement, subject to applicable legal restrictions and to the consent of the Offeree or Optionee who entered into such agreement;

(x) To prescribe the consideration for the grant of each Option or other right under the Plan and to determine the sufficiency of such consideration; and

(xi) To take any other actions deemed necessary or advisable for the administration of the Plan.

All decisions, interpretations and other actions of the Committee shall be final and binding on all Offerees, all Optionees, and all persons deriving their rights from an Offeree or Optionee. No member of the Committee shall be liable for any action that he or she has taken or has failed to take in good faith with respect to the Plan, any Option, or any right to acquire Shares under the Plan.

SECTION 4. ELIGIBILITY.

(a) General Rule. Only Employees, as defined in Section 2(f), shall be eligible for designation as Optionees or Offerees by the Committee. In addition, only individuals who are employed as common-law employees by the Company or a Subsidiary shall be eligible for the grant of ISOs.

(b) Ten-Percent Stockholders. An Employee who owns more than 10 percent of the total combined voting power of all classes of outstanding stock of the Company or any of its Subsidiaries shall not be eligible for the grant of an ISO unless (i) the Exercise Price is at least 110 percent of the Fair Market Value of a Share on the date of grant and (ii) such ISO by its terms is not exercisable after the expiration of five years from the date of grant.

(c) Attribution Rules. For purposes of Subsection (b) above, in determining stock ownership, an Employee shall be deemed to own the stock owned, directly or indirectly, by or for such Employee's brothers, sisters, spouse, ancestors and lineal descendants. Stock owned, directly or indirectly, by or for a corporation, partnership, estate or trust shall be deemed to be owned proportionately by or for its stockholders, partners or beneficiaries. Stock with respect to which such Employee holds an option shall not be counted.

(d) Outstanding Stock. For purposes of Subsection (b) above, "outstanding stock" shall include all stock actually issued and outstanding immediately after the grant. "Outstanding stock" shall not include shares authorized for issuance under outstanding options held by the Employee or by any other person.

SECTION 5. STOCK SUBJECT TO PLAN.

(a) Basic Limitation. Shares offered under the Plan shall be authorized but unissued Shares or treasury Shares. The aggregate number of Shares which may be issued under the Plan (upon exercise of Options or other rights to acquire Shares) shall not exceed 7,400,000 Shares, subject to adjustment pursuant to Section 9. The number of Shares that are subject to Options or other rights outstanding at any time under the Plan shall not exceed the number of Shares that then remain available for issuance under the Plan. The Company, during the term of the Plan, shall at all times reserve and keep available sufficient Shares to satisfy the requirements of the Plan.

(b) Additional Shares. In the event that any outstanding Option or other right for any reason expires or is canceled or otherwise terminated, the Shares allocable to the unexercised portion of such Option or other right shall again be available for the purposes of the Plan. In the event that Shares issued under the Plan are reacquired by the Company pursuant to any forfeiture

provision, right of repurchase or right of first refusal, such Shares shall again be available for the purposes of the Plan.

SECTION 6. TERMS AND CONDITIONS OF AWARDS OR SALES.

(a) Stock Purchase Agreement. Each award or sale of Shares under the Plan (other than upon exercise of an Option) shall be evidenced by a Stock Purchase Agreement between the Offeree and the Company. Such award or sale shall be subject to all applicable terms and conditions of the Plan and may be subject to any other terms and conditions which are not inconsistent with the Plan and which the Committee deems appropriate for inclusion in a Stock Purchase Agreement. The provisions of the various Stock Purchase Agreements entered into under the Plan need not be identical.

(b) Duration of Offers and Nontransferability of Rights. Any right to acquire Shares under the Plan (other than an Option) shall automatically expire if not exercised by the Offeree within 30 days after the grant of such right was communicated to the Offeree by the Committee. Such right shall not be transferable and shall be exercisable only by the Offeree to whom such right was granted.

(c) Purchase Price. The Purchase Price of Shares to be offered under the Plan shall not be less than the par value of such Shares. Subject to the preceding sentence, the Purchase Price shall be determined by the Committee at its sole discretion. The Purchase Price shall be payable in a form described in Section 8.

(d) Withholding Taxes. As a condition to the award, purchase, vesting or sale of Shares, the Offeree shall make such arrangements as the Committee may require for the satisfaction of any federal, state, local or foreign withholding tax obligations that may arise in connection with such Shares. The Committee may permit the Offeree to satisfy all or part of his or her tax obligations related to such Shares by having the Company withhold a portion of any Shares that otherwise would be issued to him or her or by surrendering any Shares that previously were acquired by him or her. The Shares withheld or surrendered shall be valued at their Fair Market Value on the date when taxes otherwise would be withheld in cash. The payment of taxes by assigning Shares to the Company, if permitted by the Committee, shall be subject to such restrictions as the Committee may impose, including any restrictions required by rules of the Securities and Exchange Commission.

(e) Restrictions on Transfer of Shares. Any Shares awarded or sold under the Plan shall be subject to such special forfeiture conditions, rights of repurchase, rights of first refusal and other transfer restrictions as the Committee may determine. Such restrictions shall be set forth in the applicable Stock Purchase Agreement and shall apply in addition to any general restrictions that may apply to all holders of Shares.

SECTION 7. TERMS AND CONDITIONS OF OPTIONS.

(a) Stock Option Agreement. Each grant of an Option under the Plan shall be evidenced by a Stock Option Agreement between the Optionee and the Company. Such Option shall be subject to all applicable terms and conditions of the Plan and may be subject to any other terms and conditions which are not inconsistent with the Plan and which the Committee deems

appropriate for inclusion in a Stock Option Agreement. The provisions of the various Stock Option Agreements entered into under the Plan need not be identical.

(b) Number of Shares. Each Stock Option Agreement shall specify the number of Shares that are subject to the Option and shall provide for the adjustment of such number in accordance with Section 9. The Stock Option Agreement shall also specify whether the Option is an ISO or a Nonstatutory Option. Options granted to any Optionee in a single calendar year shall in no event cover more than 400,000 Shares, subject to adjustment in accordance with Section 9.

(c) Exercise Price. Each Stock Option Agreement shall specify the Exercise Price. The Exercise Price of an ISO shall not be less than 100 percent of the Fair Market Value of a Share on the date of grant, and a higher percentage may be required by Section 4(b). The Exercise Price of a Nonstatutory Option shall not be less than the par value of a Share. Subject to the preceding two sentences, the Exercise Price under any Option shall be determined by the Committee at its sole discretion. The Exercise Price shall be payable in a form described in Section 8.

(d) Withholding Taxes. As a condition to the exercise of an Option, the Optionee shall make such arrangements as the Committee may require for the satisfaction of any federal, state, local or foreign withholding tax obligations that may arise in connection with such exercise. The Optionee shall also make such arrangements as the Committee may require for the satisfaction of any federal, state, local or foreign withholding tax obligations that may arise in connection with the disposition of Shares acquired by exercising an Option. The Committee may permit the Optionee to satisfy all or part of his or her tax obligations related to the Option by having the Company withhold a portion of any Shares that otherwise would be issued to him or her or by surrendering any Shares that previously were acquired by him or her. Such Shares shall be valued at their Fair Market Value on the date when taxes otherwise would be withheld in cash. The payment of taxes by assigning Shares to the Company, if permitted by the Committee, shall be subject to such restrictions as the Committee may impose, including any restrictions required by rules of the Securities and Exchange Commission.

(e) Exercisability. Each Stock Option Agreement shall specify the date when all or any installment of the Option is to become exercisable. A Stock Option Agreement may provide for accelerated exercisability in the event of the Optionee's death, Total and Permanent Disability or retirement or other events.

(f) Effect of Change in Control. The Committee may determine, at the time of granting an Option or thereafter, that such Option shall become exercisable on an accelerated basis in the event that a Change in Control occurs with respect to the Company. If the Committee finds that there is a reasonable possibility that, within the succeeding six months, a Change in Control will occur with respect to the Company, then the Committee may determine that all outstanding Options shall be exercisable on an accelerated basis.

(g) Term. The Stock Option Agreement shall specify the term of the Option. The term shall not exceed 10 years from the date of grant, except as otherwise provided in Section 4(b). Subject to the preceding sentence, the Committee at its sole discretion shall determine when an Option is to expire.

(h) Nontransferability. Except as may be provided in the applicable Stock Option Agreement with respect to a Nonstatutory Option, no Option shall be transferable by the Optionee other than by will, by beneficiary designation delivered to the Company, or by the laws of descent and distribution. An Option may be exercised during the lifetime of the Optionee only by the Optionee or by the Optionee's guardian or legal representative. No Option or interest therein may be transferred, assigned, pledged or hypothecated by the Optionee during his or her lifetime, whether by operation of law or otherwise, or be made subject to execution, attachment or similar process.

(i) Termination of Service (Except by Death). Except as may be provided in the applicable Stock Option Agreement, if an Optionee's Service terminates for any reason other than the Optionee's death, then such Optionee's Option(s) shall expire on the earliest of the following occasions:

(i) The expiration date determined pursuant to Subsection (g) above;

(ii) The date 90 days after the termination of the Optionee's Service for any reason other than Total and Permanent Disability; or

(iii) The date six months after the termination of the Optionee's Service by reason of Total and Permanent Disability.

The Optionee may exercise all or part of his or her Option(s) at any time before the expiration of such Option(s) under the preceding sentence, but only to the extent that such Option(s) had become exercisable before the Optionee's Service terminated or became exercisable as a result of the termination. The balance of such Option(s) shall lapse when the Optionee's Service terminates. In the event that the Optionee dies after the termination of the Optionee's Service but before the expiration of the Optionee's Option(s), all or part of such Option(s) may be exercised (prior to expiration) by the executors or administrators of the Optionee's estate or by any person who has acquired such Option(s) directly from the Optionee by bequest, beneficiary designation or inheritance, but only to the extent that such Option(s) had become exercisable before the Optionee's Service terminated or became exercisable as a result of the termination.

(j) Leaves of Absence. Except as may be provided in the applicable Stock Option Agreement, for purposes of Subsection (i) above, Service shall be deemed to continue while the Optionee is on military leave, sick leave or other bona fide leave of absence (as determined by the Committee). The foregoing notwithstanding, in the case of an ISO granted under the Plan, Service shall not be deemed to continue beyond the first 90 days of such leave, unless the Optionee's reemployment rights are guaranteed by statute or by contract.

(k) Death of Optionee. Except as may be provided in the applicable Stock Option Agreement, if an Optionee dies while he or she is in Service, then such Optionee's Option(s) shall expire on the earlier of the following dates:

(i) The expiration date determined pursuant to Subsection (g) above; or

(ii) The date six months after the Optionee's death.

All or part of the Optionee's Option(s) may be exercised at any time before the expiration of such Option(s) under the preceding sentence by the executors or administrators of the Optionee's estate or by any person who has acquired such Option(s) directly from the Optionee by bequest, beneficiary designation or inheritance, but only to the extent that such Option(s) had become exercisable before the Optionee's death or became exercisable as a result of the Optionee's death. The balance of such Option(s) shall lapse when the Optionee dies.

(l) No Rights as a Stockholder. An Optionee, or a transferee of an Optionee, shall have no rights as a stockholder with respect to any Shares covered by his or her Option until he or she becomes entitled, pursuant to the terms of such Option, to receive such Shares. No adjustments shall be made, except as provided in Section 9.

(m) Modification, Extension and Assumption of Options. Within the limitations of the Plan, the Committee may modify, extend or assume outstanding Options or may accept the cancellation of outstanding Options (whether granted by the Company or another issuer) in return for the grant of new Options for the same or a different number of Shares and at the same or a different Exercise Price. The foregoing notwithstanding, no modification of an Option shall, without the consent of the Optionee, impair such Optionee's rights or increase his or her obligations under such Option.

(n) Restrictions on Transfer of Shares. Any Shares issued upon exercise of an Option may be subject to such special forfeiture conditions, rights of repurchase, rights of first refusal and other transfer restrictions as the Committee may determine. Such restrictions shall be set forth in the applicable Stock Option Agreement and shall apply in addition to any general restrictions that may apply to all holders of Shares.

SECTION 8. PAYMENT FOR SHARES.

(a) General Rule. The entire Purchase Price or Exercise Price of Shares issued under the Plan shall be payable in lawful money of the United States of America at the time when such Shares are purchased, except as provided in Subsections (b), (c), (d), (e) and (f) below.

(b) Surrender of Stock. To the extent that a Stock Option Agreement so provides, payment may be made all or in part with Shares which have already been owned by the Optionee or the Optionee's representative for more than six months and which are surrendered to the Company in good form for transfer. Such Shares shall be valued at their Fair Market Value on the date when the new Shares are purchased under the Plan.

(c) Services Rendered. At the discretion of the Committee, Shares may be awarded under the Plan in consideration of services rendered to the Company or a Subsidiary prior to the award. If Shares are awarded without the payment of a Purchase Price in cash, the Committee shall make a determination (at the time of the award) of the value of the services rendered by the Offeree and the sufficiency of the consideration to meet the requirements of Section 6(c).

(d) Promissory Note. To the extent that a Stock Option Agreement or Stock Purchase Agreement so provides, a portion of the Exercise Price or Purchase Price (as the case may be) of Shares issued under the Plan may be paid with a full-recourse promissory note, provided that (i) the par value of such Shares must be paid in lawful money of the United States of America at

the time when such Shares are purchased, (ii) the Shares are pledged as security for payment of the principal amount of the promissory note and interest thereon and (iii) the interest rate payable under the terms of the promissory note shall not be less than the minimum rate (if any) required to avoid the imputation of additional interest under the Code. Subject to the foregoing, the Committee (at its sole discretion) shall specify the term, interest rate, amortization requirements (if any) and other provisions of such note.

(e) Exercise/Sale. To the extent that a Stock Option Agreement so provides, payment may be made all or in part by the delivery (on a form prescribed by the Company) of an irrevocable direction to a securities broker approved by the Company to sell Shares and to deliver all or part of the sales proceeds to the Company in payment of all or part of the Exercise Price and any withholding taxes.

(f) Exercise/Pledge. To the extent that a Stock Option Agreement so provides, payment may be made all or in part by the delivery (on a form prescribed by the Company) of an irrevocable direction to pledge Shares to a securities broker or lender approved by the Company, as security for a loan, and to deliver all or part of the loan proceeds to the Company in payment of all or part of the Exercise Price and any withholding taxes.

SECTION 9. ADJUSTMENT OF SHARES.

(a) General. In the event of a subdivision of the outstanding Stock, a declaration of a dividend payable in Shares, a declaration of a dividend payable in a form other than Shares in an amount that has a material effect on the value of Shares, a combination or consolidation of the outstanding Stock into a lesser number of Shares, a recapitalization, a spinoff, a reclassification or a similar occurrence, the Committee shall make appropriate adjustments in one or more of (i) the number of Shares available for future grants under Section 5, (ii) the limit set forth in Section 7(b), (iii) the number of Shares covered by each outstanding Option or (iv) the Exercise Price under each outstanding Option.

(b) Reorganizations. In the event that the Company is a party to a merger or other reorganization, outstanding Options shall be subject to the agreement of merger or reorganization. Such agreement may provide, without limitation, (i) for the assumption of outstanding Options by the surviving corporation or its parent, (ii) for their continuation by the Company, if the Company is a surviving corporation, (iii) for payment of a cash settlement equal to the difference between the amount to be paid for one Share pursuant to such agreement and the Exercise Price or (iv) for the acceleration of their exercisability followed by the cancellation of Options not exercised, in all cases without the Optionees' consent. Any cancellation shall not occur until after such acceleration is effective and Optionees have been notified of such acceleration.

(c) Reservation of Rights. Except as provided in this Section 9, an Optionee or Offeree shall have no rights by reason of (i) any subdivision or consolidation of shares of stock of any class, (ii) the payment of any dividend or (iii) any other increase or decrease in the number of shares of stock of any class. Any issue by the Company of shares of stock of any class, or securities convertible into shares of stock of any class, shall not affect, and no adjustment by reason thereof shall be made with respect to, the number or Exercise Price of Shares subject to an Option. The grant of an Option pursuant to the Plan shall not affect in any way the right or power of the Company to make adjustments, reclassifications, reorganizations or changes of its capital or business

structure, to merge or consolidate or to dissolve, liquidate, sell or transfer all or any part of its business or assets.

SECTION 10. SECURITIES LAWS.

Shares shall not be issued under the Plan unless the issuance and delivery of such Shares comply with (or are exempt from) all applicable requirements of law, including (without limitation) the Securities Act of 1933, as amended, the Exchange Act, the rules and regulations promulgated thereunder, state securities laws and regulations, and the regulations of any stock exchange on which the Company's securities may then be listed.

SECTION 11. NO EMPLOYMENT RIGHTS.

No provision of the Plan, nor any right or Option granted under the Plan, shall be construed to give any person any right to become, to be treated as, or to remain an Employee. The Company and its Subsidiaries reserve the right to terminate any person's Service at any time and for any reason.

SECTION 12. DURATION AND AMENDMENTS.

(a) Term of the Plan. The Plan, as amended and restated as set forth herein, shall become effective as of April 16, 1999. In the event the Company's stockholders fail to approve the amendment to the Plan increasing the number of shares issuable hereunder at the 1999 annual meeting of stockholders, any Option grants or Stock awards made in excess of an aggregate of 6,300,000 Shares shall be null and void. The Plan shall terminate automatically on April 16, 2009 and may be terminated on any earlier date pursuant to Subsection (b) below.

(b) Right to Amend or Terminate the Plan. The Board of Directors may amend, suspend or terminate the Plan at any time and for any reason. An amendment of the Plan shall be subject to the approval of the Company's stockholders to the extent required by applicable laws, regulations, rules, listing standards or other requirements, including (without limitation) Rule 16b-3 under the Exchange Act. Stockholder approval shall not be required for any other amendment of the Plan.

(c) Effect of Amendment or Termination. No Shares shall be issued or sold under the Plan after the termination thereof, except upon exercise of an Option granted prior to such termination. The termination of the Plan, or any amendment thereof, shall not affect any Share previously issued or any Option previously granted under the Plan.

SECTION 13. EXECUTION.

To record the amendment and restatement of the Plan by the Board of Directors on April 16, 1999, the Company has caused its authorized officer to execute the same.

INCYTE PHARMACEUTICALS, INC.

By _____ /s/ Roy A. Whitfield

Its Chief Executive Officer

CONSENT OF ERNST & YOUNG LLP, INDEPENDENT AUDITORS

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the 1991 Stock Plan of Incyte Pharmaceuticals, Inc. of our report dated January 27, 1999, which is based in part on the report of PricewaterhouseCoopers LLP, independent accountants, with respect to the consolidated financial statements and schedule of Incyte Pharmaceuticals, Inc. included in its Annual Report on Form 10-K for the year ended December 31, 1998, filed with the Securities and Exchange Commission.

/s/ ERNST & YOUNG LLP

Palo Alto, California
July 19, 1999

CONSENT OF INDEPENDENT ACCOUNTANTS

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of Incyte Pharmaceuticals, Inc. of our report dated January 15, 1999 relating to the financial statements of diaDexus, LLC, appearing on page 67 of the Incyte Pharmaceuticals, Inc. Annual Report on Form 10-K for the year ended December 31, 1998.

/s/ PricewaterhouseCoopers LLP

San Jose, California
July 16, 1999