

SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

 FORM S-8
 REGISTRATION STATEMENTS
 Under
 The Securities Act of 1933

IDEC PHARMACEUTICALS CORPORATION
 (Exact name of registrant as specified in its charter)

DELAWARE
 (State or other jurisdiction of incorporation or organization)

33-0112644
 (IRS Employer Identification No.)

11011 TORREYANA ROAD
 SAN DIEGO, CALIFORNIA 92121
 (Address of principal executive offices) (Zip Code)

 AMENDED AND RESTATED 1988 STOCK OPTION PLAN
 1993 NON-EMPLOYEE DIRECTORS STOCK OPTION PLAN
 (Full titles of the Plans)

WILLIAM H. RASTETTER, PH.D.
 CHAIRMAN, PRESIDENT AND CHIEF EXECUTIVE OFFICER
 IDEC PHARMACEUTICALS CORPORATION
 11011 TORREYANA ROAD, SAN DIEGO, CA 92121
 (Name and address of agent for service)
 (619) 550-8500
 (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

Amended and Restated 1988 Stock Option Plan				
Common Stock, \$0.001 par value	855,000 shares	\$ 19.50	\$ 16,672,500	\$ 4,918.39

1993 Non-Employee Directors Stock Option Plan				
Common Stock, \$0.001 par value	120,000 shares	\$ 19.50	\$ 2,340,000	\$ 630.30

Aggregate Filing Fee:				\$ 5,548.69

(1) This Registration Statement shall also cover any additional shares of Common Stock which become issuable under the Amended and Restated 1988 Stock Option Plan and/or the 1993 Non-Employee Director Stock Option Plan by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without the Registrant's receipt of consideration which results in an increase in the number of the outstanding shares of Registrant's Common Stock.

- (2) Calculated solely for purposes of this offering under Rule 457(h) of the Securities Act of 1933, as amended, (the "1933 Act") on the basis of the average of the high and low selling prices per share of Registrant's Common Stock on August 31, 1998 as reported by the Nasdaq National Market.

2

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

ITEM 3. INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

IDEC Pharmaceuticals Corporation (the "Registrant") hereby incorporates by reference into this Registration Statement the following documents previously filed with the Securities and Exchange Commission (the "Commission"):

- (a) The Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 1997 filed with the Commission on February 27, 1998, as amended on Form 10-K/A filed with the Commission on March 3, 1998, pursuant to Section 13 of the Securities Exchange Act of 1934, as amended (the "Exchange Act");
- (b) The Registrant's Quarterly Report on Form 10-Q for the fiscal quarter ended June 30, 1998 filed with the Commission on August 14, 1998 pursuant to Section 13 of the Exchange Act;
- (c) The Registrant's Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 1998 filed with the Commission on May 15, 1998 pursuant to Section 13 of the Exchange Act; and
- (d) The Registrant's Registration Statement No. 0-19311 on Form 8-B filed with the Commission on June 2, 1997, in which there is described the terms, rights and provisions applicable to the Registrant's outstanding Common Stock.

All reports and definitive proxy or information statements filed pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of this Registration Statement and prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold shall be deemed to be incorporated by reference into this Registration Statement and to be a part hereof from the date of filing of such documents. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document which is also deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

ITEM 4. DESCRIPTION OF SECURITIES

Not applicable.

ITEM 5. INTERESTS OF NAMED EXPERTS AND COUNSEL

Not applicable.

3

ITEM 6. INDEMNIFICATION OF DIRECTORS AND OFFICERS

The Registrant's Certificate of Incorporation limits the liability of

directors to the maximum extent permitted by Delaware law. Delaware law provides that directors of a corporation will not be personally liable for monetary damages for breach of their fiduciary duties as directors, except for liability for (i) any breach of their duty of loyalty to the corporation or its stockholders, (ii) acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) unlawful payments of dividends or unlawful stock repurchases or redemptions as provided in Section 174 of the Delaware General Corporation Law or (iv) any transaction from which the director derived an improper personal benefit.

The Registrant's Bylaws provide that the Registrant shall indemnify its directors and may indemnify its officers and employees and other agents to the fullest extent permitted by law. The Registrant believes that indemnification under its Bylaws covers at least negligence and gross negligence on the part of indemnified parties. The Registrant's Bylaws also permit it to secure insurance on behalf of any officer, director, employee or other agent for any liability arising out of his or her actions in such capacity, regardless of whether the Bylaws have the power to indemnify him or her against such liability under the General Corporation Law of Delaware. The Registrant currently has secured such insurance on behalf of its directors and officers.

The Registrant has entered into agreements to indemnify its directors and executive officers, in addition to indemnification provided for in the Registrant's Bylaws. These agreements, among other things, indemnify the Registrant's directors and executive officers for certain expenses (including attorneys' fees), judgments, fines and settlement amounts incurred by any such person in any action or proceeding, including any action by or in the right of the Registrant, arising out of such person's services as a director or executive officer of the Registrant, any subsidiary of the Registrant or any other company or enterprise to which the person provides services at the request of the Registrant. The Registrant believes that these provisions and agreements are necessary to attract and retain qualified persons as directors and executive officers.

ITEM 7. EXEMPTION FROM REGISTRATION CLAIMED

Not applicable.

ITEM 8. EXHIBITS

Exhibit Number	Exhibit
-----	-----
4	Instruments Defining Rights of Stockholders. Reference is made to Registrant's Registration Statement No. 0-19311 on Form 8-B, including exhibits thereto, which is incorporated herein by reference pursuant to Item 3(c).
5.1	Opinion of Brobeck, Phleger & Harrison LLP.
23.1	Consent of Independent Auditors - KPMG Peat Marwick LLP.
23.2	Consent of Brobeck, Phleger & Harrison LLP is contained in Exhibit 5.1.
24	Power of Attorney. Reference is made to page II-4 of this Registration Statement.
99.1	Amended and Restated 1988 Stock Option Plan (Amended and Restated February 20, 1998).
99.2*	Form of Notice of Grant.
99.3*	Form of Stock Option Agreement.
99.4	1993 Non-Employee Directors Stock Option Plan (Amended and Restated February 20, 1998).
99.5**	Form of Notice of Grant of Automatic Stock Option (New Director).
99.6**	Form of Notice of Grant of Automatic Stock Option (Continuing Director).
99.7**	Form of Stock Option Agreement.

II-2

4

- * Exhibits 99.22 and 99.3 are incorporated herein by reference to Exhibits 28.2 and 28.3, respectively, of Registrant's Registration Statement No. 33-45172 on Form S-8 which was filed with the Commission on January 21, 1992.
- ** Exhibits 99.5, 99.6 and 99.7 are incorporated herein by reference to Exhibits 99.2, 99.3 and 99.4, respectively, of Registrant's Registration Statement No. 33-93794 on Form S-8 which was filed with the Commission on June 25, 1995.

ITEM 9. UNDERTAKINGS

A. The undersigned Registrant hereby undertakes: (1) to file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement (i) to include any prospectus required by Section 10(a)(3) of the 1933 Act, (ii) to reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement, and (iii) to include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement; provided, however, that clauses (1)(i) and (1)(ii) shall not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed by the Registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference into this Registration Statement; (2) that for the purpose of determining any liability under the 1933 Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof; and (3) to remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the Registrant's Amended and Restated 1988 Stock Option Plan and/or 1993 Non-Employee Directors Stock Option Plan.

B. The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the 1933 Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act that is incorporated by reference into this Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

C. Insofar as indemnification for liabilities arising under the 1933 Act may be permitted to directors, officers or controlling persons of the Registrant pursuant to the indemnity provisions summarized in Item 6 or otherwise, the Registrant has been informed that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the 1933 Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the 1933 Act and will be governed by the final adjudication of such issue.

II-3

5

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, 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 San Diego, State of California, on this 31st day of August, 1998.

IDEC PHARMACEUTICALS CORPORATION

By /s/WILLIAM H. RASTETTER, PH.D.

William H. Rastetter, Ph.D.
Chairman, President and Chief
Executive Officer

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned officers and directors of IDEC Pharmaceuticals Corporation, a Delaware corporation, do hereby constitute and appoint William H. Rastetter and Phillip M. Schneider, and each of them, the lawful attorneys and agents, with full power and authority to do any and all acts and things and to execute any and all instruments which said attorneys and agents, and any one of them, determines may be necessary or advisable or required to enable said corporation to comply with the Securities Act of 1933, as amended, and any rules or regulations or requirements of the Securities and Exchange Commission in connection with this Registration Statement. Without limiting the generality of the foregoing power and authority, the powers granted include the power and authority to sign the names of the undersigned officers and directors in the capacities indicated below to this Registration Statement, to any and all amendments, both pre-effective and post-effective, and supplements to this Registration Statement, and to any and all instruments or documents filed as part of or in conjunction with this Registration Statement or amendments or supplements thereof, and each of the undersigned hereby ratifies and confirms all that said attorneys and agents, and any one of them, shall do or cause to be done by virtue hereof. This Power of Attorney may be signed in several counterparts.

IN WITNESS WHEREOF, each of the undersigned has executed this Power of Attorney as of the date indicated.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed below by the following persons in the capacities and on the dates indicated.

Signatures - -----	Title -----	Date ----
/s/WILLIAM H. RASTETTER, PH.D. ----- William H. Rastetter, Ph.D.	Chairman, President and Chief Executive Officer (Principal Executive Officer)	August 31, 1998
/S/PHILLIP M. SCHNEIDER ----- Phillip M. Schneider	Vice President and Chief Financial Officer (Principal Financial and Accounting Officer)	August 31, 1998

II-4

6

Signatures - -----	Title -----	Date ----
/S/CHARLES C. EDWARDS, M.D. ----- Charles C. Edwards, M.D.	Director	August 31, 1998
/S/ALAN B. GLASSBERG, M.D. ----- Alan B. Glassberg, M.D.	Director	August 31, 1998
----- John Groom	Director	August , 1998 ----

----- Kazuhiro Hashimoto	Director	August , 1998 ----
----- /S/FRANKLIN P. JOHNSON, JR. ----- Franklin P. Johnson, Jr.	Director	August 31, 1998
----- /S/LYNN SCHENK ----- Lynn Schenk	Director	August 31, 1998
----- /S/WILLIAM D. YOUNG ----- William D. Young	Director	August 31, 1998
----- /S/ROBERT W. PANGIA ----- Robert W. Pangia	Director	August 31, 1998
----- /S/BRUCE R. ROSS ----- Bruce R. Ross	Director	August 31, 1998

II-5

7

EXHIBIT INDEX

Exhibit Number -----	Exhibit -----
4	Instruments Defining Rights of Stockholders. Reference is made to Registrant's Registration Statement No. 0-19311 on Form 8-B, including exhibits thereto, which is incorporated herein by reference pursuant to Item 3(c).
5.1	Opinion of Brobeck, Phleger & Harrison LLP.
23.1	Consent of Independent Auditors - KPMG Peat Marwick LLP.
23.2	Consent of Brobeck, Phleger & Harrison LLP is contained in Exhibit 5.1.
24	Power of Attorney. Reference is made to page II-4 of this Registration Statement.
99.1	Amended and Restated 1988 Stock Option Plan (Amended and Restated February 20, 1998).
99.2*	Form of Notice of Grant.
99.3*	Form of Stock Option Agreement.
99.4	1993 Non-Employee Directors Stock Option Plan (Amended and Restated February 20, 1998).
99.5**	Form of Notice of Grant of Automatic Stock Option (New Director).
99.6**	Form of Notice of Grant of Automatic Stock Option (Continuing Director).
99.7**	Form of Stock Option Agreement.

* Exhibits 99.2 and 99.3 are incorporated herein by reference to Exhibits 28.2 and 28.3, respectively, of Registrant's Registration Statement No. 33-45172 on Form S-8 which was filed with the Commission on January 21, 1992.

** Exhibits 99.5, 99.6 and 99.7 are incorporated herein by reference to Exhibits 99.2, 99.3 and 99.4, respectively, of Registrant's Registration Statement No. 33-93794 on Form S-8 which was filed with the Commission on June 25, 1995.

August 31 , 1998

IDEC Pharmaceuticals Corporation
11011 Torreyana Road
San Diego, CA 92121

Re: IDEC Pharmaceuticals Corporation Registration Statement on Form S-8
for 975,000 Shares of Common Stock and Related Stock Options

Ladies and Gentlemen:

We have acted as counsel to IDEC Pharmaceuticals Corporation, a Delaware corporation (the "Company"), in connection with the registration on Form S-8 (the "Registration Statement") under the Securities Act of 1933, as amended, of (i) an additional 855,000 shares of common stock for issuance under the Company's Amended and Restated 1988 Stock Option Plan (the "Incentive Plan") and (ii) an additional 120,000 shares of common stock for issuance under the 1993 Non-Employee Directors Stock Option Plan (the "Non-Employee Directors Plan").

This opinion is being furnished in accordance with the requirements of Item 8 of Form S-8 and Item 601(b)(5)(i) of Regulation S-K.

We have reviewed the Company's charter documents and the corporate proceedings taken by the Company in connection with the establishment and amendment of the Incentive Plan and the Non-Employee Director Plan. Based on such review, we are of the opinion that, if, as and when the shares of common stock are issued and sold (and the consideration therefor received) pursuant to (a) the provisions of option agreements duly authorized under the Incentive Plan and in accordance with the Registration Statement, (b) duly authorized direct stock issuances effected in accordance with the provisions of the Incentive Plan and the Registration Statement or (c) the provisions of the Non-Employee Director Plan and the option agreements authorized thereunder and in accordance with the Registration Statement, such shares will be duly authorized, legally issued, fully paid and non-assessable.

We consent to the filing of this opinion letter as Exhibit 5.1 to the Registration Statement.

This opinion letter is rendered as of the date first written above and we disclaim any obligation to advise you of facts, circumstances, events or developments which hereafter may be brought to our attention and which may alter, affect or modify the opinion expressed herein. Our opinion is expressly limited to the matters set forth above and we render no opinion, whether by implication or otherwise, as to any other matters relating to the Company, the Incentive Plan or the Non-Employee Director Plan or the shares of common stock issuable under such plans.

Very truly yours,

/s/ BROBECK, PHLEGER & HARRISON LLP

BROBECK, PHLEGER & HARRISON LLP

INDEPENDENT AUDITORS' CONSENT

The Board of Directors
IDEC Pharmaceuticals Corporation:

We consent to the use of our report incorporated herein by reference in the registration statement on Form S-8 of IDEC Pharmaceuticals Corporation.

/s/ KPMG PEAT MARWICK LLP

KPMG PEAT MARWICK LLP

San Diego, California
August 31, 1998

IDEC PHARMACEUTICALS CORPORATION
1988 STOCK OPTION PLAN

(AMENDED AND RESTATED THROUGH FEBRUARY 20, 1998)

I. PURPOSES OF THE PLAN

(a) This Stock Option Plan (the "Plan") is intended to promote the interests of IDEC Pharmaceuticals Corporation, a Delaware corporation (the "Corporation"), by providing a method whereby (i) key employees (including officers and directors) of the Corporation (or its parent or subsidiary corporations) responsible for the management, growth and financial success of the Corporation (or its parent or subsidiary corporations), (ii) the non-employee members of the Corporation's Board of Directors (or any parent or subsidiary corporations) and (iii) independent consultants and advisors who provide valuable services to the Corporation (or its parent or subsidiary corporations) may be offered incentives and rewards which will encourage them to acquire a proprietary interest, or otherwise increase their proprietary interest, in the Corporation and continue to render services to the Corporation (or its parent or subsidiary corporations).

(b) The following provisions shall be applicable in determining the parent and subsidiary corporations of the Corporation:

(i) Any corporation (other than the Corporation) in an unbroken chain of corporations ending with the Corporation shall be considered to be a PARENT corporation of the Corporation, provided each such corporation in the unbroken chain (other than the Corporation) owns, at the time of the determination, stock possessing fifty percent (50%) or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

(ii) Each corporation (other than the Corporation) in an unbroken chain of corporations beginning with the Corporation shall be considered to be a SUBSIDIARY of the Corporation, provided each such corporation (other than the last corporation) in the unbroken chain owns, at the time of the determination, stock possessing fifty percent (50%) or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

II. ADMINISTRATION OF THE PLAN

(a) The Corporation's Board of Directors (the "Board") shall appoint a committee ("Committee") of two (2) or more non-employee Board members to assume full responsibility for the administration of the Plan. Members of the Committee shall serve for such period of time as the Board may determine and shall be subject to removal by the Board at any time.

(b) The Committee as Plan Administrator shall have full power and authority (subject to the express provisions of the Plan) to establish such rules and regulations as it may deem appropriate for the proper administration of the Plan and to make such determinations under, and issue such interpretations of, the Plan and any outstanding option grants or stock issuances as it may deem necessary or advisable. Decisions of the Plan Administrator shall be final and binding on all parties who have an interest in the Plan or any outstanding option or stock issuance thereunder.

III. ELIGIBILITY FOR OPTION GRANTS

(a) The persons eligible to receive option grants under the Plan are as follows:

(i) key employees (including officers and directors) of the Corporation (or its parent or subsidiary corporations) who render services which contribute to the success and growth of the Corporation (or its parent or subsidiary corporations) or which may reasonably be anticipated to contribute to the future success and growth of the Corporation (or its parent or subsidiary corporations);

(ii) the non-employee members of the Board or the non-employee members of the board of directors of any parent or subsidiary corporations; and

(iii) those independent consultants or other advisors who provide valuable services to the Corporation (or its parent or subsidiary corporations).

(b) The Plan Administrator shall have full authority to determine which eligible individuals are to receive option grants under the Plan, the number of shares to be covered by each such grant, whether the granted option is to be an incentive stock option ("Incentive Option") which satisfies the requirements of Section 422 of the Internal Revenue Code or a non-statutory option not intended to meet such requirements, the time or times at which each such option is to become exercisable, and the maximum term for which the option is to be outstanding.

IV. STOCK SUBJECT TO THE PLAN

(a) The stock issuable under the Plan shall be shares of the Corporation's authorized but unissued or reacquired Common Stock. The maximum number of shares which may be issued under the Plan shall not exceed 6,335,000 shares.* The total number of shares

- -----

* Adjusted to reflect (i) the 1 for 2.5 reverse Common Stock split effected by the Company on August 18, 1991, (ii) the 670,000 share increase authorized by the Board on March 18, 1992 and approved by the shareholders at the 1992 Annual Meeting, (iii) the 700,000 share increase

2.

3

issuable under the Plan shall be subject to adjustment from time to time in accordance with Section IV(d) of the Plan.

(b) In no event may the aggregate number of shares of Common Stock for which any one individual participating in the Plan may be granted stock options and separately exercisable stock appreciation rights exceed 1,250,000 shares in the aggregate over the remaining term of the Plan, subject to adjustment from time to time in accordance with Section IV(d) of the Plan. For purposes of such limitation, no stock options or stock appreciation rights granted prior to January 1, 1994 shall be taken into account.

(c) Should an option expire or terminate for any reason prior to exercise in full (including options cancelled in accordance with the cancellation-regrant provisions of Section VIII of the Plan), the shares subject to the portion of the option not so exercised shall be available for subsequent option grants under the Plan. Unvested shares issued under the Plan and subsequently repurchased by the Corporation, at the option exercise price paid per share, pursuant to the Corporation's repurchase rights under the Plan, shall be added back to the number of shares of Common Stock reserved for issuance under the Plan and shall accordingly be available for reissuance through one or more subsequent option grants under the Plan. Shares subject to any option cancelled in accordance with Section IX of the Plan shall reduce on a share-for-share basis the number of shares of Common Stock available for subsequent option grants under this Plan. In addition, should the exercise price of an outstanding option under the Plan be paid with shares of Common Stock, then the number of shares of Common Stock available for issuance under the Plan shall be reduced by the gross number of shares for which the option is exercised, and not by the net number of shares of Common Stock actually issued to the option holder.

(d) In the event any change is made to the Common Stock issuable under the Plan by reason of any stock split, stock dividend, combination of shares, exchange of shares or other change affecting the outstanding Common Stock as a class without the Corporation's receipt of consideration, then appropriate adjustments shall be made to (I) the maximum number and/or class of securities issuable under the Plan, (II) the maximum number and/or class of securities

- -----
authorized by the Board on January 13, 1993 and approved by the shareholders at the 1993 Annual Meeting, (iv) the 650,000 share increase authorized by the Board on February 28, 1994 and approved by the shareholders at the 1994 Annual Meeting, (v) the 500,000 share increase authorized by the Board on January 25, 1995, and approved by the shareholders at the 1995 Annual Meeting, (vi) the 1,200,000 share increase authorized by the Board on January 24, 1996, and approved by the shareholders at the 1996 Annual Meeting, (vii) the 800,000 share increase authorized by the Board on February 24, 1997, and approved by the shareholders at the 1997 Annual Meeting and (viii) the 855,000 share increase authorized by the Board on February 20, 1998, subject to shareholder approval at the 1998 Annual Meeting. In no event, however, shall more than 4,993,901 shares of Common Stock be issued under the Plan after February 28, 1998, subject to adjustment under Section IV(d) in the event of changes in the Company's capital structure.

3.

4

for which stock options and separately exercisable stock appreciation rights may be granted to any one participant in the aggregate after December 31, 1993 and (III) the number and/or class of securities and exercise price per share in effect under each outstanding option in order to prevent the dilution or enlargement of benefits thereunder. The adjustments determined by the Plan Administrator shall be final, binding and conclusive.

V. TERMS AND CONDITIONS OF OPTIONS

Options granted pursuant to the Plan shall be authorized by action of the Plan Administrator and may, at the Plan Administrator's discretion, be either Incentive Options or non-statutory options. Individuals who are not Employees (as defined in Section V.3.D below) may only be granted non-statutory options. Each granted option shall be evidenced by one or more instruments in the form approved by the Plan Administrator; provided, however, that each such instrument shall comply with the terms and conditions specified below. Each instrument evidencing an Incentive Option shall, in addition, be subject to the applicable provisions of Section VI.

1. Option Price.

A. The option price per share shall be fixed by the Plan Administrator, but in no event shall the option price per share be less than eighty-five percent (85%) of the fair market value of a share of Common Stock on the date of the option grant.

B. The option price shall become immediately due upon exercise of the option and shall, subject to the provisions of Section X and the instrument evidencing the grant, be payable in one of the alternative forms specified below:

(i) full payment in cash or check payable to the Corporation; or

(ii) full payment in shares of Common Stock held by the optionee for the requisite period necessary to avoid a charge to the Corporation's reported earnings and valued at fair market value on the Exercise Date (as such term is defined below); or

(iii) full payment through a combination of shares of Common Stock held by the optionee for the requisite period necessary to avoid a charge to the Corporation's reported earnings and valued at fair market value on the Exercise Date and cash or check payable to the Corporation; or

(iv) full payment effected through a broker-dealer sale and remittance procedure pursuant to which the optionee shall provide irrevocable instructions (I) to a Corporation-designated brokerage firm to (A) effect the immediate sale of a sufficient number of the purchased shares to enable such firm

4.

5

to remit to the Corporation, out of the sale proceeds available on the settlement date, sufficient funds to cover the aggregate option price payable for the purchased shares plus all applicable Federal and State income and employment taxes required to be withheld by the Corporation in connection with such purchase and (B) remit those funds to the Corporation on the settlement date, and (II) to the Corporation to deliver the certificates for the purchased shares directly to such brokerage firm.

For purposes of this subparagraph B, the Exercise Date shall be the date on which written notice of the option exercise is received by the Corporation. Except to the extent the sale and remittance procedure is utilized in connection with the exercise of the option, payment of the option price for the purchased shares must accompany such notice.

C. The fair market value per share of Common Stock on any relevant date under subparagraph A or B (and for all other valuation purposes under the Plan) shall be determined in accordance with the following provisions:

(i) If the Common Stock is not at the time listed or admitted to trading on any national stock exchange but is traded on the Nasdaq National Market, the fair market value shall be the closing selling price per share of Common Stock on the date in question, as reported by the National Association of Securities Dealers on the Nasdaq National Market. If there is no reported closing selling price for the Common Stock on the date in question, then the closing selling price on the last preceding date for which such quotation exists shall be determinative of fair market value.

(ii) If the Common Stock is at the time listed or admitted to trading on any national stock exchange, then the fair market value shall be the closing selling price per share of Common Stock on the date in question on the stock exchange determined by the Plan Administrator to be the primary market for the Common Stock, as such price is officially quoted in the composite tape of transactions on such exchange. If there is no reported sale of Common Stock on such exchange on the date in question, then the fair market value shall be the closing selling price on the exchange on the last preceding date for which such quotation exists.

2. Term and Exercise of Options. Each option granted under the Plan shall be exercisable at such time or times, during such period, and for such number of shares as shall be determined by the Plan Administrator and set forth in the instrument evidencing such option; provided, however, that no such option shall have a term in excess of ten (10) years from the grant date.

5.

6

3. Limited Transferability of Options. During the lifetime of the optionee, Incentive Options shall be exercisable only by the optionee and shall not be assignable or transferable other than by will or by the laws of descent and distribution following the optionee's death. However, non-statutory options

may, in connection with the optionee's estate plan, be assigned in whole or in part during the optionee's lifetime to one or more members of the optionee's immediate family or to a trust established exclusively for one or more such family members. The assigned portion may only be exercised by the person or persons who acquire a proprietary interest in the option pursuant to the assignment. The terms applicable to the assigned portion shall be the same as those in effect for the option immediately prior to such assignment and shall be set forth in such documents issued to the assignee as the Plan Administrator may deem appropriate.

4. Effect of Termination of Service.

A. Should an optionee cease to remain in Service (as defined in subparagraph D below) for any reason (including death or permanent disability as defined in Section 22(e)(3) of the Internal Revenue Code) while the holder of one or more outstanding options granted to such optionee under the Plan, then such option or options shall not (except to the extent otherwise provided pursuant to Section XI below) remain exercisable for more than a thirty-six (36)-month period (or such shorter period determined by the Plan Administrator and specified in the instrument evidencing the grant) following the date of such cessation of Service. Under no circumstances, however, shall any such option be exercisable after the specified expiration date of the option term. Each such option shall, during such thirty-six (36)-month or shorter period, be exercisable only to the extent of the number of shares (if any) for which the option is exercisable on the date of the optionee's cessation of Service. Upon the expiration of such thirty-six (36)-month or shorter period or (if earlier) upon the expiration of the option term, the option shall terminate and cease to be exercisable. However, the option shall, immediately upon the optionee's cessation of Service for any reason, terminate and cease to be outstanding for any option shares for which the option is not otherwise at that time exercisable.

B. Any outstanding option held by the optionee and exercisable in whole or in part on the date of his or her death may be subsequently exercised, but only to the extent of the number of shares (if any) for which the option is exercisable on the date of the optionee's cessation of Service (less any option shares subsequently purchased by the optionee prior to death), by the personal representative of the optionee's estate or by the person or persons to whom the option is transferred pursuant to the optionee's will or in accordance with the laws of descent and distribution. The right to exercise the option for those shares shall terminate upon the earlier of (i) the third anniversary of the date of the optionee's cessation of Service or (ii) the specified expiration date of the option term.

C. Notwithstanding subparagraphs A and B above, the Plan Administrator shall have complete discretion, exercisable either at the time the option is granted or at any time while the option remains outstanding, to permit one or more options held by the optionee under the Plan to be exercised, during the limited period of exercisability provided under

6.

7

Section V.4.A above, not only with respect to the number of shares for which each such option is exercisable at the time of the optionee's cessation of Service but also with respect to one or more subsequent installments for which the option would otherwise have become exercisable had such cessation of Service not occurred.

D. For purposes of the foregoing provisions of this Section V.4 (and all other provisions of the Plan), the optionee shall be deemed to remain in the SERVICE of the Corporation for so long as such individual renders services on a periodic basis to the Corporation or any parent or subsidiary corporation in the capacity of an Employee, a non-employee member of the board of directors or an independent consultant or advisor, unless the option agreement evidencing the option grant and/or the purchase agreement evidencing the purchased option shares specifically provides otherwise. The optionee shall be considered to be an EMPLOYEE for so long as such individual remains in the employ of the Corporation or one or more of its parent or subsidiary corporations, subject to the control and direction of the employer entity as to the work to be performed and as to the manner and method of performance.

5. Stockholder Rights. An optionee shall have none of the rights of a stockholder with respect to any shares covered by the option until such individual shall have exercised the option and paid the option price for the purchased shares.

6. Repurchase Rights. Unvested shares of Common Stock may be issued under the Plan which are subject to repurchase by the Corporation in accordance with the following provisions:

(a) Upon the optionee's cessation of Service while holding unvested shares under the Plan, the Corporation shall have the right to repurchase any or all of those unvested shares at the option price paid per share. The terms and conditions upon which such repurchase right shall be exercisable (including the period and procedure for exercise and the appropriate vesting schedule for the purchased shares) shall be established by the Plan Administrator and set forth in the instrument evidencing such repurchase right.

(b) All of the Corporation's outstanding repurchase rights shall automatically terminate, and all shares subject to such terminated rights shall immediately vest in full, upon the occurrence of any Corporate Transaction under Section VII of this Plan, except to the extent: (i) any such repurchase right is to be assigned to the successor corporation (or parent thereof) in connection with the Corporate Transaction or (ii) such accelerated vesting is precluded by other limitations imposed by the Plan Administrator at the time the repurchase right is issued.

7.

8

(c) The Plan Administrator shall have the discretionary authority, exercisable either before or after the optionee's cessation of Service, to cancel the Corporation's outstanding repurchase rights with respect to any or all unvested shares purchased or purchasable by the optionee under the Plan and thereby accelerate the vesting of those shares in whole or in part at any time.

VI. INCENTIVE OPTIONS.

The terms and conditions specified below shall be applicable to all Incentive Options granted under the Plan. Incentive Options may only be granted to individuals who are Employees. Options which are specifically designated as "non-statutory" options when issued under the Plan shall not be subject to such terms and conditions.

(a) Option Price. The option price per share of the Common Stock subject to an Incentive Option shall in no event be less than one hundred percent (100%) of the fair market value of a share of Common Stock on the date of grant.

(b) Dollar Limitation. The aggregate fair market value (determined as of the respective date or dates of grant) of the Common Stock for which one or more options granted to any Employee under this Plan (or any other option plan of the Corporation or its parent or subsidiary corporations) may for the first time become exercisable as incentive stock options under the Federal tax laws during any one calendar year shall not exceed the sum of One Hundred Thousand Dollars (\$100,000). To the extent the Employee holds two or more such options which become exercisable for the first time in the same calendar year, the foregoing limitation on the exercisability of such options as incentive stock options under the Federal tax laws shall be applied on the basis of the order in which such options are granted. Should the number of shares of Common Stock for which an Incentive Option first becomes exercisable in any calendar year exceed the applicable One Hundred Thousand Dollar (\$100,000) limitation, the option may nevertheless be exercised for those excess shares in such calendar year as a non-statutory option.

(c) 10% Stockholder. If any individual to whom the Incentive Option is granted is the owner of stock (as determined under Section 424(d) of the Internal Revenue Code) possessing ten percent (10%) or more of the total combined voting power of all classes of stock of the Corporation or any one of its parent or subsidiary corporations, then the option price per share shall not

be less than one hundred and ten percent (110%) of the fair market value per share of Common Stock on the grant date, and the option term shall not exceed five (5) years, measured from such grant date.

Except as modified by the preceding provisions of this Section VI, all the provisions of the Plan shall be applicable to the Incentive Options granted hereunder.

8.

9

VII. CORPORATE TRANSACTION/CHANGE IN CONTROL

(a) In the event of any of the following transactions (a "Corporate Transaction"):

(i) a merger or consolidation in which the Corporation is not the surviving entity, except for a transaction the principal purpose of which is to change the State of the Corporation's incorporation,

(ii) the sale, transfer or other disposition of all or substantially all of the assets of the Corporation in liquidation or dissolution of the Corporation, or

(iii) any reverse merger in which the Corporation is the surviving entity but in which fifty percent (50%) or more of the Corporation's outstanding voting stock is transferred to persons different from those who held the stock immediately prior to such merger,

each outstanding option under the Plan shall automatically accelerate so that each such option shall, immediately prior to the specified effective date for the Corporate Transaction, become exercisable for the total number of shares of Common Stock at the time subject to such option and may be exercised for all or any portion of those shares as fully-vested shares of Common Stock. However, an outstanding option under the Plan shall not so accelerate if and to the extent: (i) such option is, in connection with the Corporate Transaction, either to be assumed by the successor corporation or parent thereof or be replaced with a comparable option to purchase shares of the capital stock of the successor corporation or parent thereof or (ii) the acceleration of such option is subject to other applicable limitations imposed by the Plan Administrator at the time of grant. The determination of comparability under clause (i) above shall be made by the Plan Administrator and its determination shall be final, binding and conclusive.

(b) Each outstanding option under the Plan which is assumed in connection with the Corporate Transaction or is otherwise to continue in effect shall be appropriately adjusted, immediately after such Corporate Transaction, to apply and pertain to the number and class of securities which would have been issued, in consummation of such Corporate Transaction, to an actual holder of the same number of shares of Common Stock as are subject to such option immediately prior to such Corporate Transaction. Appropriate adjustments shall also be made to the option price payable per share, provided the aggregate option price payable for such securities shall remain the same. In addition, the class and number of securities available for issuance under the Plan on both an aggregate and per participant basis shall be appropriately adjusted to reflect the effect of the Corporate Transaction upon the Corporation's capital structure.

9.

10

(c) In connection with any Change in Control (as defined below), the Plan Administrator shall have full power and authority, exercisable either at the time the option is granted or at any time while the option remains outstanding, to provide for the automatic acceleration of each outstanding option under the Plan so that each such option shall, immediately prior to the effective date of the Change in Control, become exercisable for the total number

of shares at the time subject to such option and may be exercised for all or any portion of those shares as fully-vested shares of Common Stock. The Plan Administrator shall also have full power and authority to condition such option acceleration, and the termination of any of the Corporation's repurchase rights with respect to any unvested shares purchased or purchasable under the Plan, upon the subsequent termination of the optionee's Service within a designated period following the Change in Control.

A CHANGE IN CONTROL shall be deemed to occur in the event:

(i) twenty-five percent (25%) or more of the Corporation's outstanding voting stock is acquired pursuant to a tender or exchange offer (A) which is made directly to the Corporation's stockholders by any person or related group of persons (other than the Corporation or a person that directly or indirectly controls, is controlled by or is under common control with, the Corporation) and (B) which the Board does not recommend the stockholders to accept; or

(ii) there is a change in the composition of the Board over a period of twenty-four (24) consecutive months or less such that a majority of the Board members ceases, by reason of one or more proxy contests for the election of Board members, to be comprised of individuals who either (A) have been Board members continuously since the beginning of such period or (B) have been elected or nominated for election as Board members during such period by at least a majority of the Board members described in clause (A) who were still in office at the time such election or nomination was approved by the Board.

(d) Immediately following the consummation of a Corporate Transaction, all outstanding options under the Plan shall terminate and cease to be outstanding, except to the extent assumed by the successor corporation or its parent company. Upon a Change in Control, each outstanding option accelerated pursuant to subsection VII(c) above shall remain fully exercisable until the expiration or sooner termination of the option term specified in the agreement evidencing such grant.

(e) The exercisability as incentive stock options under the Federal tax laws of any options accelerated in connection with a Corporate Transaction or Change in Control shall remain subject to the dollar limitation of Section VI(b) of the Plan. To the extent such dollar limitation is exceeded, the accelerated option shall be exercisable as a non-statutory option under the Federal tax laws.

10.

11

(f) The grant of options under this Plan shall in no way affect the right of the Corporation to adjust, reclassify, reorganize or otherwise change its capital or business structure or to merge, consolidate, dissolve, liquidate or sell or transfer all or any part of its business or assets.

VIII. CANCELLATION AND REGRANT OF OPTIONS

The Plan Administrator shall have the authority to effect, at any time and from time to time, with the consent of the affected optionees, the cancellation of any or all outstanding options under the Plan and to grant in substitution therefor new options under the Plan covering the same or different numbers of shares of Common Stock but having an option price per share not less than (i) eighty-five percent (85%) of the fair market value per share of the Common Stock on the new grant date or (ii) one hundred percent (100%) of such fair market value in the case of an Incentive Option or (iii) one hundred and ten percent (110%) of such fair market value in the case of an Incentive Option granted to a 10% Stockholder.

IX. STOCK APPRECIATION RIGHTS

(a) Provided and only if the Plan Administrator determines in its discretion to implement the stock appreciation right provisions of this Section IX, one or more optionees may be granted the right, exercisable upon such terms

and conditions as the Plan Administrator may establish, to surrender all or part of an unexercised option under the Plan in exchange for a distribution from the Corporation in an amount equal to the excess of (i) the fair market value (on the option surrender date) of the number of shares in which the optionee is at the time vested under the surrendered option (or surrendered portion thereof) over (ii) the aggregate option price payable for such vested shares.

(b) No surrender of an option shall be effective hereunder unless it is approved by the Plan Administrator. If the surrender is so approved, then the distribution to which the optionee shall accordingly become entitled under this Section IX may be made in shares of Common Stock valued at fair market value on the option surrender date, in cash, or partly in shares and partly in cash, as the Plan Administrator shall in its sole discretion deem appropriate.

(c) If the surrender of an option is rejected by the Plan Administrator, then the optionee shall retain whatever rights the optionee had under the surrendered option (or surrendered portion thereof) on the option surrender date and may exercise such rights at any time prior to the later of (i) five (5) business days after the receipt of the rejection notice or (ii) the last day on which the option is otherwise exercisable in accordance with the terms of the instrument evidencing such option, but in no event may such rights be exercised more than ten (10) years after the date of the option grant.

(d) One or more officers of the Corporation subject to the short-swing profit restrictions of the Federal securities laws may, in the Plan Administrator's sole discretion, be granted limited stock appreciation rights in tandem with their outstanding options under the Plan.

11.

12

Upon the occurrence of a Hostile Take-Over, each outstanding option with such a limited stock appreciation right shall automatically be cancelled, to the extent such option is at the time exercisable for fully-vested shares of Common Stock (including any shares which may vest in connection with such Hostile Take-Over). The optionee shall in return be entitled to a cash distribution from the Corporation in an amount equal to the excess of (i) the Take-Over Price of the vested shares of Common Stock at the time subject to the cancelled option (or cancelled portion of such option) over (ii) the aggregate exercise price payable for such shares. The cash distribution payable upon such cancellation shall be made within five (5) days following the consummation of the Hostile Take-Over. The Plan Administrator shall pre-approve, at the time the limited stock appreciation right is granted, the subsequent exercise of that right in accordance with the terms of the grant and the provisions of this Section IX(d). No additional approval of the Plan Administrator or the Board shall be required at the time of the actual option cancellation and cash distribution. The balance of the option (if any) shall continue to remain outstanding and exercisable in accordance with the terms and conditions of the instrument evidencing such grant.

(e) For purposes of Section IX(d), the following definitions shall be in effect:

A HOSTILE TAKE-OVER shall be deemed to occur in the event any person or related group of persons (other than the Corporation or a person that directly or indirectly controls, is controlled by, or is under common control with, the Corporation) directly or indirectly acquires beneficial ownership (within the meaning of Rule 13d-3 of the Securities Exchange Act of 1934) of securities possessing more than twenty-five percent (25%) of the total combined voting power of the Corporation's outstanding securities pursuant to a tender or exchange offer made directly to the Corporation's stockholders which the Board does not recommend such stockholders to accept.

The TAKE-OVER PRICE per share shall be deemed to be equal to the greater of (a) the fair market value per share on the date of cancellation, as determined pursuant to the valuation provisions of Section V.1.C, or (b) the highest reported price per share paid by the acquiring entity in effecting such Hostile Take-Over. However, to the extent the cancelled option is an Incentive Option, the Take-Over Price shall not exceed the clause (a) price per share.

(f) The shares of Common Stock subject to any option surrendered or cancelled for an appreciation distribution pursuant to this Section IX shall NOT be available for subsequent option grant under the Plan.

X. LOANS OR INSTALLMENT PAYMENTS

The Plan Administrator may, in its discretion, assist any optionee (including any officer or director of the Corporation) in the exercise of one or more options granted to such individual under the Plan, including the satisfaction of any Federal and State income and employment tax obligations arising therefrom, by (i) authorizing the extension of a loan from the

12.

13

Corporation to such optionee or (ii) permitting the optionee to pay the option price for the purchased Common Stock in installments over a period of years. The terms of any such loan or installment method of payment (including the interest rate and terms of repayment) will be upon such terms as the Plan Administrator specifies in the applicable option agreement or otherwise deems appropriate under the circumstances. Loans or installment payments may be granted with or without security or collateral (other than to individuals who are independent consultants or advisors, in which event the loan must be adequately secured by collateral other than the purchased shares). However, the maximum credit available to the optionee may not exceed the option price of the acquired shares (less the par value of those shares) plus any Federal and State income and employment tax liability incurred by the optionee in connection with the exercise of the option.

XI. EXTENSION OF EXERCISE PERIOD

The Plan Administrator shall have full power and authority, to extend the period of time for which the option is to remain exercisable following the optionee's cessation of Service from the thirty-six (36) month or shorter period set forth in the option agreement to such greater period of time as the Plan Administrator shall deem appropriate. In no event, however, shall such option be exercisable after the specified expiration date of the option term.

XII. AMENDMENT OF THE PLAN

The Board shall have complete and exclusive power and authority to amend or modify the Plan in any or all respects whatsoever; provided, however, that no such amendment or modification shall, without the consent of the holders, adversely affect rights and obligations with respect to options at the time outstanding under the Plan. In addition, certain amendments may require stockholder approval pursuant to applicable laws or regulations.

XIII. EFFECTIVE DATE AND TERM OF PLAN

(a) The Plan was initially adopted by the Board on July 19, 1988 and approved by the Corporation's stockholders on March 29, 1989. The Plan was subsequently amended by the Board on July 18, 1990, and such amendment was approved by the Corporation's stockholders in October, 1990. In January 1991, the Plan was again amended to increase by 480,000 shares the number of shares of Common Stock issuable under the Plan, and such share increase was approved by the Corporation's stockholders on March 20, 1991. The Board further amended the Plan on May 22, 1991, with such amendments to become effective as of the date the Corporation's Common Stock first became traded on the Nasdaq National Market, in order to revise certain provisions previously required when the Plan was subject to the permit requirements of the California Corporations Department. On March 18, 1992, the Plan was amended and restated in its entirety, including an increase of 670,000 shares to the number of shares of Common Stock issuable thereunder. The 1992 restatement, including the 670,000-share increase, was approved by the stockholders at the 1992 Annual Meeting. On January 13, 1993, the Board amended the Plan to increase by an additional 700,000 shares the number of shares of

13.

14

Common Stock issuable under the Plan, and such share increase was approved by the stockholders at the 1993 Annual Meeting. On February 28, 1994, the Board amended the Plan to increase by an additional 650,000 shares the number of shares of Common Stock issuable under the Plan, and such increase was approved by the stockholders at the 1994 Annual Meeting. On January 25, 1995, the Board amended the Plan to increase by an additional 500,000 shares the number of shares of Common Stock issuable under the Plan, and such increase was approved by the stockholders at the 1995 Annual Meeting. On January 24, 1996, the Board adopted an amendment which increased the number of shares of Common Stock issuable under the Plan by an additional 1,200,000 shares, and such increase was approved by the stockholders at the 1996 Annual Meeting.

On February 24, 1997, the Board adopted a series of amendments to the Plan (the "1997 Amendments") which (i) increased the number of shares of Common Stock reserved for issuance over the term of the Plan by an additional 800,000 shares, (ii) rendered non-employee Board members serving as Plan Administrator eligible to receive option grants under the Plan, (iii) allowed unvested shares issued under the Plan and subsequently repurchased by the Corporation at the option exercise price paid per share to be reissued under the Plan, (iv) removed certain restrictions on the eligibility of non-employee Board members to serve as Plan Administrator, (v) extended the term of the Option Plan from July 19, 1998 to December 31, 2002 and (vi) effected a series of additional changes to the provisions of the Plan (including the stockholder approval requirements, the transferability of non-statutory stock options and the elimination of the six (6)-month holding period requirement as a condition to the exercise of stock appreciation rights) in order to take advantage of the recent amendments to Rule 16b-3 of the 1934 Act which exempts certain officer and director transactions under the Plan from the short-swing liability provisions of the federal securities laws. The 1997 Amendments were approved by the Corporation's stockholders at the 1997 Annual Meeting.

On February 20, 1998, the Board authorized an increase of 855,000 shares of Common Stock to the share reserve under the Plan, and the stockholders approved such increase at the 1998 Annual Meeting.

(b) The provisions of the 1992 restatement and of each subsequent amendment to the Plan shall apply only to stock options and stock appreciation rights granted under the Plan from and after the applicable effective date of such restatement or amendment. All stock options and stock appreciation rights issued and outstanding under the Plan immediately prior to each such effective date shall continue to be governed by the terms and conditions of the Plan (and the respective agreements evidencing each such option or stock appreciation right) as in effect on the date each such option or stock appreciation right was previously granted, and nothing in the 1992 restatement or in any subsequent amendment shall be deemed to affect or otherwise modify the rights or obligations of the holders of such prior options or stock appreciation rights with respect to their acquisition of shares of Common Stock under such options or their exercise of such stock appreciation rights. However, the Plan Administrator may, in its discretion, modify stock option or stock appreciation right issued and outstanding immediately prior to the effective

14.

15

date of the 1992 restatement or any subsequent amendment to include one or more provisions to the Plan added by such restatement or amendment.

(c) Unless sooner terminated in accordance with Section VII, the Plan shall terminate upon the earlier of (i) December 31, 2002 or (ii) the date on which all shares available for issuance under the Plan shall have been issued or cancelled pursuant to the exercise, surrender of cash-out of the stock options and stock appreciation rights granted hereunder. If the date of termination is determined under clause (i) above, then each stock option or stock appreciation right outstanding on such date shall thereafter continue to have force and effect in accordance with the provisions of the instruments evidencing such grant.

(d) Options may be granted under this Plan to purchase shares of Common Stock in excess of the number of shares then available for issuance under the Plan, provided any excess shares actually issued under the Plan are held in

escrow until stockholder approval is obtained for a sufficient increase in the number of shares available for issuance under the Plan. If such stockholder approval is not obtained within twelve (12) months after the date the first such excess option grants are made, then (I) any unexercised excess options shall terminate and cease to be exercisable and (II) the Corporation shall promptly refund the purchase price paid for any excess shares actually issued under the Plan and held in escrow, together with interest (at the applicable Short Term Federal Rate) for the period the shares were held in escrow.

XIV. USE OF PROCEEDS

Any cash proceeds received by the Corporation from the sale of shares pursuant to options granted under the Plan shall be used for general corporate purposes.

XV. REGULATORY APPROVALS

The implementation of the Plan, the granting of any stock option or stock appreciation right hereunder, and the issuance of stock upon the exercise of any such option or stock appreciation right shall be subject to the procurement by the Corporation of all approvals and permits required by regulatory authorities having jurisdiction over the Plan, the options and stock appreciation rights granted under it and the stock issued pursuant to it.

IDEC PHARMACEUTICALS CORPORATION

1993 NON-EMPLOYEE DIRECTORS STOCK OPTION PLAN

(AMENDED AND RESTATED THROUGH FEBRUARY 20, 1998)

I. PURPOSE OF THE PLAN

This 1993 Non-Employee Directors Stock Option Plan (the "Plan") is intended to promote the interests of IDEC Pharmaceuticals Corporation, a Delaware corporation (the "Corporation"), by providing the non-employee members of the Corporation's Board of Directors with the opportunity to acquire a proprietary interest, or otherwise increase their proprietary interest, in the Corporation as an incentive for them to remain in the service of the Corporation.

II. DEFINITIONS

For purposes of the Plan, the following definitions shall be in effect:

BOARD: the Corporation's Board of Directors.

CODE: the Internal Revenue Code of 1986, as amended.

COMMON STOCK: shares of the Corporation's common stock.

CHANGE IN CONTROL: a change in ownership or control of the Corporation effected through either of the following transactions:

a. any person or related group of persons (other than the Corporation or a person that directly or indirectly controls, is controlled by, or is under common control with, the Corporation) directly or indirectly acquires beneficial ownership (within the meaning of Rule 13d-3 of the Securities Exchange Act of 1934, as amended) of securities possessing fifty percent (50%) or more of the total combined voting power of the Corporation's outstanding securities pursuant to a tender or exchange offer made directly to the Corporation's stockholders; or

b. there is a change in the composition of the Board over a period of twenty-four (24) consecutive months or less such that a majority of the Board members ceases, by reason of one or more proxy contests for the election of Board members, to be comprised of individuals who either (A) have been Board members continuously since the beginning of such period or (B) have been elected or nominated for election as Board members during such period by at least a majority of the Board members described in clause (A) who were still in office at the time such election or nomination was approved by the Board.

CORPORATE TRANSACTION: any of the following stockholder-approved transactions to which the Corporation is a party:

a. a merger or consolidation in which the Corporation is not the surviving entity, except for a transaction the principal purpose of which is to change the State in which the Corporation is incorporated,

b. the sale, transfer or other disposition of all or substantially all of the assets of the Corporation in complete liquidation or dissolution of the Corporation, or

c. any reverse merger in which the Corporation is the surviving entity but in which securities possessing fifty percent (50%) or more of the total combined voting power of the Corporation's outstanding securities are transferred to person or persons different from those

who held such securities immediately prior to such merger.

EFFECTIVE DATE: September 14, 1993, the date on which the Plan was adopted by the Board. This restatement of the Plan has an effective date of February 20, 1998, the date of adoption by the Board, but such restatement is subject to stockholder approval at the 1998 Annual Meeting.

FAIR MARKET VALUE: the Fair Market Value per share of Common Stock determined in accordance with the following provisions:

a. If the Common Stock is not at the time listed or admitted to trading on any national stock exchange but is traded on the Nasdaq National Market, the Fair Market Value shall be the closing selling price per share on the date in question, as such price is reported by the National Association of Securities Dealers on the Nasdaq National Market. If there is no reported closing selling price for the Common Stock on the date in question, then the closing selling price on the last preceding date for which such quotation exists shall be determinative of Fair Market Value.

b. If the Common Stock is at the time listed or admitted to trading on any national stock exchange, then the Fair Market Value shall be the closing selling price per share on the date in question on the exchange determined by the Plan Administrator to be the primary market for the Common Stock, as such price is officially quoted in the composite tape of transactions on such exchange. If there is no reported sale of Common Stock on such exchange on the date in question, then the Fair Market Value shall be the closing selling price on the exchange on the last preceding date for which such quotation exists.

2.

3

HOSTILE TAKE-OVER: the direct or indirect acquisition by any person or related group of persons (other than the Corporation or a person that directly or indirectly controls, is controlled by, or is under common control with, the Corporation) of beneficial ownership (within the meaning of Rule 13d-3 of the Securities Exchange Act of 1934, as amended) of securities possessing fifty percent (50%) or more of the total combined voting power of the Corporation's outstanding securities pursuant to a tender or exchange offer made directly to the Corporation's stockholders which the Board does not recommend such stockholders to accept.

1934 ACT: the Securities Exchange Act of 1934, as amended.

OPTIONEE: any person to whom an option is granted under the Plan.

PERMANENT DISABILITY OR PERMANENTLY DISABLED: the inability of the Optionee to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment expected to result in death or to be of continuous duration of twelve (12) months or more.

SERVICE: the performance of services as a member of the Board.

TAKE-OVER PRICE: the greater of (a) the Fair Market Value per share of Common Stock on the date the option is surrendered to the Corporation in connection with a Hostile TakeOver or (b) the highest reported price per share of Common Stock paid by the tender offeror in effecting such Hostile Take-Over.

III. ADMINISTRATION OF THE PLAN

The terms and conditions of each automatic option grant (including the timing and pricing of the option grant) shall be determined by the express terms and conditions of the Plan, and neither the Board nor any committee of the Board shall exercise any discretionary functions with respect to option grants made pursuant to the Plan.

IV. STOCK SUBJECT TO THE PLAN

A. Shares of the Corporation's Common Stock shall be available for issuance under the Plan and shall be drawn from either the Corporation's

authorized but unissued shares of Common Stock or from reacquired shares of Common Stock, including shares repurchased by the Corporation on the open market. The maximum number of shares of Common Stock which may be issued over the term of the Plan shall not exceed 370,000 shares(1), subject to adjustment from time to time in accordance with the provisions of this Article IV.

- - - - -

(1) Includes the 120,000-share increase authorized by the Board on February 20, 1998, subject to stockholder approval at the 1998 Annual Meeting.

3.

4

B. Should one or more outstanding options under this Plan expire or terminate for any reason prior to exercise in full, then the shares subject to the portion of each option not so exercised shall be available for subsequent option grants under the Plan. Unvested shares issued under the Plan and subsequently repurchased by the Corporation, at the option exercise price paid per share, pursuant to the Corporation's repurchase rights under the Plan, shall be added back to the number of shares of Common Stock reserved for issuance under the Plan and shall accordingly be available for reissuance through one or more subsequent option grants under the Plan. Shares subject to any option or portion thereof surrendered in accordance with Article VII shall reduce on a share-for-share basis the number of shares of Common Stock available for subsequent option grants under the Plan. In addition, should the exercise price of an outstanding option under the Plan be paid with shares of Common Stock, then the number of shares of Common Stock available for issuance under the Plan shall be reduced by the gross number of shares for which the option is exercised, and not by the net number of shares of Common Stock actually issued to the option holder.

C. Should any change be made to the Common Stock issuable under the Plan by reason of any stock split, stock dividend, recapitalization, combination of shares, exchange of shares or other change affecting the outstanding Common Stock as a class without the Corporation's receipt of consideration, then appropriate adjustments shall be made to (i) the maximum number and/or class of securities issuable under the Plan, (ii) the number and/or class of securities for which automatic option grants are to be subsequently made per each newly-elected or continuing non-employee Board member under the Plan, and (iii) the number and/or class of securities and price per share in effect under each option outstanding under the Plan. Such adjustments to the outstanding options are to be effected in a manner which shall preclude the enlargement or dilution of rights and benefits under such options. The adjustments determined by the Board shall be final, binding and conclusive.

V. ELIGIBILITY

A. Eligible Optionees. The individuals eligible to receive automatic option grants pursuant to the provisions of this Plan shall be limited to (i) those individuals who are first elected or appointed as non-employee Board members after the Effective Date, whether through appointment by the Board or election by the Corporation's stockholders, and (ii) those individuals who continue to serve as non-employee Board members after such Effective Date, whether or not they commenced Board service prior to such Effective Date. In no event, however, shall any non-employee Board member be eligible to participate in the Plan if such individual has previously been in the employ of the Corporation (or any parent or subsidiary corporation) at any time after December 31, 1989. Each non-employee Board member eligible to participate in the Plan pursuant to the foregoing criteria shall be designated an Eligible Director for purposes of the Plan.

4.

5

VI. TERMS AND CONDITIONS OF AUTOMATIC OPTION GRANTS

A. Grant Date. Option grants shall be made on the dates specified below:

- Each individual who is first elected or appointed as an Eligible Director, whether through appointment by the Board or election by the Corporation's stockholders, after the Effective Date shall automatically be granted, on the date of such initial election or appointment, a non-statutory stock option to purchase 17,500 shares of Common Stock.

- On the first Nasdaq trading day in January of each calendar year (commencing with the 1994 calendar year), each individual who is at the time serving as an Eligible Director shall automatically be granted on such date a non-statutory option to purchase 5,000 shares of Common Stock, provided such individual has served as a Board member for a period of at least six (6) months.

There shall be no limit on the number of 5,000-share option grants any one Eligible Director may receive over his or her period of Board service.

Stockholder approval of this February 20, 1998 restatement at the 1998 Annual Meeting shall constitute pre-approval of each option grant subsequently made pursuant to the provisions of the Plan and the subsequent exercise of that option in accordance with its terms.

B. Exercise Price. The exercise price per share of Common Stock subject to each automatic option grant shall be equal to one hundred percent (100%) of the Fair Market Value per share of Common Stock on the automatic grant date.

C. Payment.

The exercise price shall become immediately due upon exercise of the option and shall be payable in one of the alternative forms specified below:

(i) full payment in cash or check made payable to the Corporation's order; or

(ii) full payment in shares of Common Stock held for the requisite period necessary to avoid a charge to the Corporation's earnings for financial-reporting purposes and valued at Fair Market Value on the Exercise Date (as such term is defined below); or

(iii) full payment in a combination of shares of Common Stock held for the requisite period necessary to avoid a charge to the Corporation's earnings for financial-reporting purposes and valued at Fair Market Value on the Exercise Date and cash or check payable to the Corporation's order; or

5.

6

(iv) to the extent the option is exercised for vested shares, full payment through a broker-dealer sale and remittance procedure pursuant to which the non-employee Board member (I) shall provide irrevocable instructions to a Corporation-designated brokerage firm to effect the immediate sale of the purchased shares and remit to the Corporation, out of the sale proceeds available on the settlement date, sufficient funds to cover the aggregate exercise price payable for the purchased shares and (II) shall concurrently provide directives to the Corporation to deliver the certificates for the purchased shares directly to such brokerage firm in order to complete the sale transaction.

For purposes of this subparagraph VI.C, the Exercise Date shall be the date on which written notice of the option exercise is delivered to the Corporation. Except to the extent the sale and remittance procedure specified above is utilized in connection with the exercise of the option for vested shares, payment of the option price for the purchased shares must accompany the exercise notice. However, if the option is exercised for any unvested shares,

then the optionee must also execute and deliver to the Corporation a stock purchase agreement for those unvested shares which provides the Corporation with the right to repurchase, at the exercise price paid per share, any unvested shares held by the optionee at the time of cessation of Board service and which precludes the sale, transfer or other disposition of any shares purchased under the option, to the extent those shares are subject to the Corporation's repurchase right.

D. Option Term. Each automatic grant under the Plan shall have a maximum term of ten (10) years measured from the automatic grant date.

E. Exercisability/Vesting. Each automatic grant shall be immediately exercisable for any or all of the option shares. However, any shares purchased under the option shall be subject to repurchase by the Corporation, at the exercise price paid per share, upon the Optionee's cessation of Board service prior to vesting in those shares. Each initial 17,500 share option shall vest, and the Corporation's repurchase right shall lapse, in a series of four (4) equal and successive annual installments over the Optionee's period of continued service as a Board member, with the first such installment to vest upon Optionee's completion of one (1) year of Board service measured from the grant date. Each additional 5,000-share automatic grant shall vest, and the Corporation's repurchase with respect thereto shall lapse, upon Optionee's completion of one (1) year of Board service measured from the automatic grant date. Vesting of the option shares shall be subject to acceleration as provided in Section VI.G and Article VII. In no event, however, shall any additional option shares vest after the Optionee's cessation of Board service.

F. Non-Transferability. During the lifetime of the Optionee, each automatic option grant, together with the limited stock appreciation right pertaining to such option, shall be exercisable only by the Optionee and shall not be assignable or transferable by the Optionee other than (i) a transfer of the option effected by will or by the laws of descent and distribution following Optionee's death or (ii) a transfer of the option during the optionee's lifetime to one or more members of the optionee's immediate family or to a trust established exclusively for one

6.

7

or more such family members, to the extent such transfer is effected pursuant to the optionee's estate plan. The assigned portion may only be exercised by the person or persons who acquire a proprietary interest in the option pursuant to the assignment. The terms applicable to the assigned portion shall be the same as those in effect for the option immediately prior to such assignment and shall be set forth in such documents issued to the assignee as the Corporation may deem appropriate.

G. Effect of Termination of Board Service.

1. Should the Optionee cease to serve as a Board member for any reason (other than death or Permanent Disability) while holding one or more automatic option grants under the Plan, then such individual shall have a six (6)-month period following the date of such cessation of Board service in which to exercise each such option for any or all of the option shares in which the Optionee is vested at the time of such cessation of Board service. Each such option shall immediately terminate and cease to be outstanding, at the time of such cessation of Board service, with respect to any option shares in which the Optionee is not otherwise at that time vested.

2. Should the Optionee die within six (6) months after cessation of Board service, then any automatic option grant held by the Optionee at the time of death may subsequently be exercised, for any or all of the option shares in which the Optionee is vested at the time of his or her cessation of Board service (less any option shares subsequently purchased by the Optionee prior to death), by the personal representative of the Optionee's estate or by the person or persons to whom the option is transferred pursuant to the Optionee's will or in accordance with the laws of descent and distribution. The right to exercise each such option shall lapse upon the expiration of the twelve (12)-month period measured from after the date of the Optionee's death.

3. Should the Optionee die or become Permanent Disabled while serving as a Board member, then the shares of Common Stock at the time subject

to each automatic option grant held by such Optionee shall immediately vest in full (and the Corporation's repurchase right with respect to such shares shall terminate), and the Optionee (or the representative of the Optionee's estate or the person or persons to whom the option is transferred upon the Optionee's death) shall have a twelve (12)-month period following the date of the Optionee's cessation of Board service in which to exercise such option for any or all of those vested shares of Common Stock.

4. In no event shall any automatic grant under this Plan remain exercisable after the expiration date of the ten (10)-year option term. Upon the expiration of the applicable post-service exercise period under subparagraphs 1 through 3 above or (if earlier) upon the expiration of the ten (10)-year option term, the automatic grant shall terminate and cease to be outstanding for any option shares in which the Optionee was vested at the time of his or her cessation of Board service but for which such option was not otherwise exercised.

7.

8

H. Stockholder Rights. The holder of an automatic option grant shall have none of the rights of a stockholder with respect to any shares subject to such option until such individual shall have exercised the option and paid the exercise price for the purchased shares.

I. Remaining Terms. The remaining terms and conditions of each automatic option grant shall be as set forth in the form Non-statutory Stock Option Agreement attached as Exhibit A.

VII. CORPORATE TRANSACTION/CHANGE IN CONTROL/HOSTILE TAKE-OVER

A. In the event of any Corporate Transaction, the shares of Common Stock at the time subject to each outstanding option but not otherwise vested shall automatically vest in full so that each such option shall, immediately prior to the specified effective date for the Corporate Transaction, become fully exercisable for all of the shares of Common Stock at the time subject to that option and may be exercised for all or any portion of such shares as fully-vested shares of Common Stock. Immediately following the consummation of the Corporate Transaction, each automatic option grant under the Plan shall terminate and cease to be outstanding, except to the extent assumed by the successor entity (or parent thereof).

B. In connection with any Change in Control of the Corporation, the shares of Common Stock at the time subject to each outstanding option but not otherwise vested shall automatically vest in full so that each such option shall, immediately prior to the specified effective date for the Change in Control, become fully exercisable for all of the shares of Common Stock at the time subject to that option and may be exercised for all or any portion of such shares as fully-vested shares of Common Stock. Each such option shall remain fully exercisable for the option shares which vest in connection with the Change in Control until the expiration or sooner termination of the option term.

C. The Optionee shall have the right, exercisable at any time within the thirty (30)-day period immediately following the effective date of a Hostile Take-Over, to surrender to the Corporation each automatic option grant held by him or her under this Plan. The Optionee shall in return be entitled to a cash distribution from the Corporation in an amount equal to the excess of (i) the Take-Over Price of the shares of Common Stock at the time subject to the surrendered option (whether or not the Optionee is otherwise at the time vested in those shares) over (ii) the aggregate exercise price payable for such shares. Such cash distribution shall be paid within five (5) days following the surrender of the option to the Corporation. Stockholder approval of this February 20, 1998 restatement at the 1998 Annual Meeting shall constitute the pre-approval of each option subsequently granted with such a surrender right and the subsequent exercise of that right in accordance with the provisions of this Section VII.C. Neither the approval of the Plan Administrator nor the consent of the Board shall be required at the time of the actual option surrender and cash distribution.

8.

D. The shares of Common Stock subject to each option surrendered in connection with the Hostile Take-Over shall NOT be available for subsequent option grant under this Plan.

E. The automatic option grants outstanding under the Plan shall in no way affect the right of the Corporation to adjust, reclassify, reorganize or otherwise change its capital or business structure or to merge, consolidate, dissolve, liquidate or sell or transfer all or any part of its business or assets.

VIII. AMENDMENT OF THE PLAN AND AWARDS

The Board has complete and exclusive power and authority to amend or modify the Plan (or any component thereof) in any or all respects whatsoever. However, no such amendment or modification shall adversely affect rights and obligations with respect to options at the time outstanding under the Plan, unless the affected optionees consent to such amendment. In addition, certain amendments to the Plan may require stockholder approval pursuant to applicable law or regulation.

IX. EFFECTIVE DATE AND TERM OF PLAN

A. The Plan became effective immediately upon adoption by the Board on September 14, 1993 and was approved by the Corporation's stockholders at the 1994 Annual Meeting. On January 25, 1995, the Board adopted an amendment to the Plan which increased the number of shares of Common Stock issuable thereunder by an additional 100,000 shares, and that amendment was approved by the stockholders at the 1995 Annual Meeting.

B. On February 20, 1998, the Board adopted a series of amendments to the Plan (the "1998 Amendments") which (i) increased the number of shares of Common Stock reserved for issuance over the term of the Plan by an additional 120,000 shares, (ii) allowed unvested shares issued under the Plan and subsequently repurchased by the Corporation at the option exercise price paid per share to be reissued under the Plan and (iii) effected a series of additional changes to the provisions of the Plan (including the stockholder approval requirements, the transferability of non-statutory stock options and the elimination of the six (6)-month holding period requirement as a condition to the exercise of stock appreciation rights) in order to take advantage of the recent amendments to Rule 16b-3 of the 1934 Act which exempts certain transactions by Board members under the Plan from the short-swing liability provisions of the federal securities laws. The 1998 Amendments were approved by the stockholders at the 1998 Annual Meeting.

C. The Plan shall terminate upon the earlier of (i) September 13, 2003 or (ii) the date on which all shares available for issuance under the Plan shall have been issued as vested shares or cancelled pursuant to the cash-out provisions of the Plan. If the date of termination is determined under clause (i) above, then all option grants outstanding on such date shall thereafter

9.

10

continue to have force and effect in accordance with the provisions of the instruments evidencing such grants.

X. USE OF PROCEEDS

Any cash proceeds received by the Corporation from the sale of shares pursuant to option grants or share issuances under the Plan shall be used for general corporate purposes

XI. REGULATORY APPROVALS

A. The implementation of the Plan, the granting of any option under the Plan and the issuance of Common Stock upon the exercise of the option grants made hereunder shall be subject to the Corporation's procurement of all approvals and permits required by regulatory authorities having jurisdiction over the Plan, the options granted under it, and the Common Stock issued pursuant to it.

B. No shares of Common Stock or other assets shall be issued or delivered under this Plan unless and until there shall have been compliance with all applicable requirements of Federal and state securities laws, including the filing and effectiveness of the Form S-8 registration statement for the shares of Common Stock issuable under the Plan, and all applicable listing requirements of any securities exchange on which the Common Stock is then listed for trading.

XIII. NO IMPAIRMENT OF RIGHTS

Neither the action of the Corporation in establishing the Plan nor any provision of the Plan shall be construed or interpreted so as to affect adversely or otherwise impair the right of the Corporation or the stockholders to remove any individual from the Board at any time in accordance with the provisions of applicable law.

XIII. MISCELLANEOUS PROVISIONS

A. The right to acquire Common Stock or other assets under the Plan may not be assigned, encumbered or otherwise transferred by any Optionee.

B. The provisions of the Plan relating to the exercise of options and the vesting of shares shall be governed by the laws of the State of California, as such laws are applied to contracts entered into and performed in such State.

C. The provisions of the Plan shall inure to the benefit of, and be binding upon, the Corporation and its successors or assigns, whether by Corporate Transaction or otherwise, and the Optionees, the legal representatives of their respective estates, their respective heirs or legatees and their permitted assignees.