Form 5500

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Annual Return/Report of Employee Benefit Plan

This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6047(e), 6057(b), and 6058(a) of the Internal Revenue Code (the Code).

▶ **Complete all entries in accordance with the instructions to the Form 5500.**

OMB Nos. 1210-0110
1210-0089

2012

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A This return/report is for:
- [ ] a multiemployer plan;
- [ ] a multiple-employer plan; or
- [X] a single-employer plan;
- [ ] a DFE (specify) ____

B This return/report is:
- [X] the first return/report;
- [ ] the final return/report;
- [ ] an amended return/report;
- [ ] a short plan year return/report (less than 12 months).

C If the plan is a collectively-bargained plan, check here. . . . . ▶ [ ]

D Check box if filing under:
- [X] Form 5558;
- [ ] automatic extension;
- [ ] the DFVC program;
- [ ] special extension (enter description)

Part II Basic Plan Information—enter all requested information

1a Name of plan
MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN

1b Three-digit plan number (PN) ▶ 003

1c Effective date of plan 04/01/1988

2a Plan sponsor's name and address; include room or suite number (employer, if for a single-employer plan)

MCINTOSH LABORATORY, INC.

2 CHAMBERS STREET
BINGHAMTON, NY 13903-2622

2b Employer Identification Number (EIN)
15-0542298

2c Sponsor's telephone number
607-723-3512

2d Business code (see instructions)
334310

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2013	JOAN JEFFERSON
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2013	JOAN JEFFERSON
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

Preparer's name (including firm name, if applicable) and address; include room or suite number. (optional)

Preparer's telephone number (optional)

3a	Plan administrator's name and address [X] Same as Plan Sponsor Name [ ] Same as Plan Sponsor Address	**3b**	Administrator's EIN
		3c	Administrator's telephone number
4	If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report:	**4b**	EIN
a	Sponsor's name	**4c**	PN

5	Total number of participants at the beginning of the plan year	**5**	128
6	Number of participants as of the end of the plan year (welfare plans complete only lines **6a, 6b, 6c,** and **6d**).		
a	Active participants	**6a**	133
b	Retired or separated participants receiving benefits	**6b**	0
c	Other retired or separated participants entitled to future benefits	**6c**	0
d	Subtotal. Add lines **6a**, **6b**, and **6c**	**6d**	133
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits	**6e**	0
f	Total. Add lines **6d** and **6e**	**6f**	133
g	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	109
h	Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	0
7	Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	**7**	

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:
2E 2F 2G 2J 2K 2T 3D

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply)

(1)	[X]	Insurance
(2)	[ ]	Code section 412(e)(3) insurance contracts
(3)	[X]	Trust
(4)	[ ]	General assets of the sponsor

9b Plan benefit arrangement (check all that apply)

(1)	[X]	Insurance
(2)	[ ]	Code section 412(e)(3) insurance contracts
(3)	[X]	Trust
(4)	[ ]	General assets of the sponsor

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

(1)	[X]	**R** (Retirement Plan Information)
(2)	[ ]	**MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
(3)	[ ]	**SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

(1)	[X]		**H** (Financial Information)
(2)	[ ]		**I** (Financial Information – Small Plan)
(3)	[X]	1	**A** (Insurance Information)
(4)	[X]		**C** (Service Provider Information)
(5)	[X]		**D** (DFE/Participating Plan Information)
(6)	[ ]		**G** (Financial Transaction Schedules)

SCHEDULE A (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Insurance Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).

▶ **File as an attachment to Form 5500.**

▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).

OMB No. 1210-0110

2012

This Form is Open to Public Inspection

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 003

C Plan sponsor's name as shown on line 2a of Form 5500
MCINTOSH LABORATORY, INC.

D Employer Identification Number (EIN)
15-0542298

Part I Information Concerning Insurance Contract Coverage, Fees, and Commissions

Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.

1 Coverage Information:

(a) Name of insurance carrier

PRINCIPAL LIFE INSURANCE COMPANY

(b) EIN	**(c)** NAIC code	**(d)** Contract or identification number	**(e)** Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	**(g)** To
42-0127290	61271	459203	133	11/15/2012	12/31/2012

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	**(b)** Total amount of fees paid
0	0

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		**(e)** Organization code
	(c) Amount	**(d)** Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		**(e)** Organization code
	(c) Amount	**(d)** Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		**(e)** Organization code
	(c) Amount	**(d)** Purpose	

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(b) Amount of sales and base commissions paid	Fees and other commissions paid		**(e)** Organization code
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(b) Amount of sales and base commissions paid	Fees and other commissions paid		**(e)** Organization code
	(c) Amount	**(d)** Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		**(e)** Organization code
	(c) Amount	**(d)** Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		**(e)** Organization code
	(c) Amount	**(d)** Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4	Current value of plan's interest under this contract in the general account at year end	4	322144
5	Current value of plan's interest under this contract in separate accounts at year end	5	4278877

6 Contracts With Allocated Funds:

a State the basis of premium rates ▶

b	Premiums paid to carrier	6b	
c	Premiums due but unpaid at the end of the year	6c	
d	If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount.	6d	

Specify nature of costs ▶

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity

(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan check here ▶ ☐

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee

(3) ☐ guaranteed investment (4) ☒ other ▶ FLEXIBLE INVESTMENT ANNUITY

b	Balance at the end of the previous year			7b	
c	Additions: (1) Contributions deposited during the year	7c(1)			
	(2) Dividends and credits	7c(2)			
	(3) Interest credited during the year	7c(3)	825		
	(4) Transferred from separate account	7c(4)			
	(5) Other (specify below)	7c(5)	321957		
	▶ SPINOFF				
	(6) Total additions			7c(6)	322782
d	Total of balance and additions (add lines **7b** and **7c(6)**).			7d	322782
e	Deductions:				
	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	157		
	(2) Administration charge made by carrier	7e(2)	100		
	(3) Transferred to separate account	7e(3)			
	(4) Other (specify below)	7e(4)			
	▶				
	(5) Total deductions			7e(5)	257
f	Balance at the end of the current year (subtract line **7e(5)** from line **7d**)			7f	322525

Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

a ☐ Health (other than dental or vision) **b** ☐ Dental **c** ☐ Vision **d** ☐ Life insurance

e ☐ Temporary disability (accident and sickness) **f** ☐ Long-term disability **g** ☐ Supplemental unemployment **h** ☐ Prescription drug

i ☐ Stop loss (large deductible) **j** ☐ HMO contract **k** ☐ PPO contract **l** ☐ Indemnity contract

m ☐ Other (specify) ▶

9 Experience-rated contracts:				
a Premiums: (1) Amount received	**9a(1)**			
(2) Increase (decrease) in amount due but unpaid	**9a(2)**			
(3) Increase (decrease) in unearned premium reserve	**9a(3)**			
(4) Earned (**(1)** + **(2)** - **(3)**)			**9a(4)**	
b Benefit charges (1) Claims paid	**9b(1)**			
(2) Increase (decrease) in claim reserves	**9b(2)**			
(3) Incurred claims (add **(1)** and **(2)**)			**9b(3)**	
(4) Claims charged			**9b(4)**	
c Remainder of premium: (1) Retention charges (on an accrual basis) --				
(A) Commissions	**9c(1)(A)**			
(B) Administrative service or other fees	**9c(1)(B)**			
(C) Other specific acquisition costs	**9c(1)(C)**			
(D) Other expenses	**9c(1)(D)**			
(E) Taxes	**9c(1)(E)**			
(F) Charges for risks or other contingencies	**9c(1)(F)**			
(G) Other retention charges	**9c(1)(G)**			
(H) Total retention			**9c(1)(H)**	
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)			**9c(2)**	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement			**9d(1)**	
(2) Claim reserves			**9d(2)**	
(3) Other reserves			**9d(3)**	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line **9c(2)**.)			**9e**	
10 Nonexperience-rated contracts:				
a Total premiums or subscription charges paid to carrier			**10a**	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount.			**10b**	

Specify nature of costs ▶

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE C (Form 5500)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ **File as an attachment to Form 5500.**	**2012** **This Form is Open to Public Inspection.**

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 003

C Plan sponsor's name as shown on line 2a of Form 5500
MCINTOSH LABORATORY, INC.

D Employer Identification Number (EIN)
15-0542298

Part I Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. . . . . [X] Yes [ ] No

b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

PRINCIPAL LIFE INSURANCE COMPANY

42-0127290

(b) Enter name and EIN or address of person who provided you disclosure on eligible indirect compensation

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(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

PRINCIPAL LIFE INSURANCE COMPANY

42-0127290

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 37 50 64	CONTRACT ADMINISTRATOR	1714	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [ ] No [X]

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes [ ] No [ ]	Yes [ ] No [ ]		Yes [ ] No [ ]

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes [ ] No [ ]	Yes [ ] No [ ]		Yes [ ] No [ ]

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3 If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received $1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

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(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	**(b)** Nature of Service Code(s)	**(c)** Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)

(complete as many entries as needed)

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

a	Name:	**b** EIN:
c	Position:	
d	Address:	**e** Telephone:

Explanation:

SCHEDULE D (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

DFE/Participating Plan Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2012

This Form is Open to Public Inspection.

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 003

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
MCINTOSH LABORATORY, INC.

D Employer Identification Number (EIN)
15-0542298

Part I **Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs)**
(Complete as many entries as needed to report all interests in DFEs)

a Name of MTIA, CCT, PSA, or 103-12 IE: PRINCIPAL STABLE VALUE FUND

b Name of sponsor of entity listed in (a): UNION BOND & TRUST COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
93-6274328-001	C	104144

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN MIDCAP VALUE III SA-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
42-0127290-022	P	393248

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN MIDCAP BLEND SEP ACCT-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
42-0127290-020	P	282041

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN MONEY MARKET SEP ACCT-R6

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
42-0127290-024	P	385169

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN MIDCAP GROWTH SEP ACCT-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
42-0127290-021	P	48256

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN BOND AND MORTGAGE SA-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
42-0127290-005	P	604944

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN DIVERSIFIED INTL SA-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
42-0127290-015	P	761210

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LGCAP S&P 500 INDEX SA-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-016	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	209002
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN SMALLCAP GROWTH I SA-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-070	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	137784
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LARGECAP BLEND II SA-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-065	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	401998
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LARGECAP GROWTH I SA-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-066	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	581476
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2010 SEP ACCT-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-075	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	48165
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2020 SEP ACCT-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-076	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	110390
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2030 SEP ACCT-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-077	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	56236
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2040 SEP ACCT-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-078	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	29192
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2050 SEP ACCT-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-079	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	371
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME STRAT INC SA-R4			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-080	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	316

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN SMALLCAP VALUE II SA-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-096	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 113137

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2015 SEP ACCT-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-110	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 24880

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2025 SEP ACCT-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-111	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 37139

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2035 SEP ACCT-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-112	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2809

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2045 SEP ACCT-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-113	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 48973

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2055 SEP ACCT-R4

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-114	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2140

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

a Plan name

b Name of plan sponsor	**c** EIN-PN

SCHEDULE H (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Financial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2012

This Form is Open to Public Inspection

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 003

C Plan sponsor's name as shown on line 2a of Form 5500
MCINTOSH LABORATORY, INC.

D Employer Identification Number (EIN)
15-0542298

Part I Asset and Liability Statement

1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	0	664
(2) Participant contributions	1b(2)	0	2285
(3) Other	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)		264343
(9) Value of interest in common/collective trusts	1c(9)	0	104144
(10) Value of interest in pooled separate accounts	1c(10)	0	4278877
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	0	467247
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)	0	322144
(15) Other	1c(15)		

		(a) Beginning of Year	(b) End of Year
1d Employer-related investments:			
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	0	5439704
Liabilities			
g Benefit claims payable	1g	0	
h Operating payables	1h	0	
i Acquisition indebtedness	1i	0	
j Other liabilities	1j	0	
k Total liabilities (add all amounts in lines 1g through1j)	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	0	5439704

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: **(A)** Employers	2a(1)(A)	7464	
(B) Participants	2a(1)(B)	27512	
(C) Others (including rollovers)	2a(1)(C)	0	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		34976
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	0	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	1003	
(F) Other	2b(1)(F)	825	
(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		1828
(2) Dividends: **(A)** Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	1703	
(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		1703
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets: **(A)** Aggregate proceeds	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	0	
(C) Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: **(A)** Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)**	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		2516
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		199289
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		23107
c Other income	2c		-381
d Total income. Add all **income** amounts in column (b) and enter total	2d		263038
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	11497	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines **2e(1)** through **(3)**	2e(4)		11497
f Corrective distributions (see instructions)	2f		0
g Certain deemed distributions of participant loans (see instructions)	2g		0
h Interest expense	2h		
i Administrative expenses: **(1)** Professional fees	2i(1)	0	
(2) Contract administrator fees	2i(2)	1714	
(3) Investment advisory and management fees	2i(3)	0	
(4) Other	2i(4)	0	
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		1714
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		13211
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		249827
l Transfers of assets:			
(1) To this plan	2l(1)		5189877
(2) From this plan	2l(2)		0

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) [ ] Unqualified **(2)** [ ] Qualified **(3)** [X] Disclaimer **(4)** [ ] Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? [X] Yes [ ] No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: CLIFTONLARSONALLEN LLP **(2)** EIN: 41-0746749

d The opinion of an independent qualified public accountant is **not attached** because:

(1) [ ] This form is filed for a CCT, PSA, or MTIA. **(2)** [ ] It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

		Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)	4a		X	0
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)	4b		X	0

			Yes	No	Amount
c	Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	0
d	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	4d		X	0
e	Was this plan covered by a fidelity bond?	4e	X		500000
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g	Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h	Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?	4h		X	
i	Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i	X		
j	Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j		X	
k	Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l	Has the plan failed to provide any benefit when due under the plan?	4l		X	
m	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m	X		
n	If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n	X		

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?
If "Yes," enter the amount of any plan assets that reverted to the employer this year ☐ **Yes** ☒ **No** **Amount:**

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	**5b(2)** EIN(s)	**5b(3)** PN(s)

Part V Trust Information (optional)

6a Name of trust	**6b** Trust's EIN

SCHEDULE R (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Retirement Plan Information

This schedule is required to be filed under section 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2012

This Form is Open to Public Inspection.

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan
MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 003

C Plan sponsor's name as shown on line 2a of Form 5500
MCINTOSH LABORATORY, INC.

D Employer Identification Number (EIN)
15-0542298

Part I Distributions

All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions **1** 0

2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits):

EIN(s): 42-0127290

Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.

3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year. **3**

Part II Funding Information (If the plan is not subject to the minimum funding requirements of section of 412 of the Internal Revenue Code or ERISA section 302, skip this Part)

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

If the plan is a defined benefit plan, go to line 8.

5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month _____ Day _____ Year _____

If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.

6 **a** Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived) **6a**

b Enter the amount contributed by the employer to the plan for this plan year **6b**

c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount) **6c**

If you completed line 6c, skip lines 8 and 9.

7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

Part III Amendments

9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. ..... ☐ **Increase** ☐ **Decrease** ☐ **Both** ☐ **No**

Part IV ESOPs (see instructions). If this is not a plan described under Section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? ..... ☐ **Yes** ☐ **No**

11 **a** Does the ESOP hold any preferred stock? ..... ☐ **Yes** ☐ **No**

b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ..... ☐ **Yes** ☐ **No**

12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ..... ☐ **Yes** ☐ **No**

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

d Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a	The current year	**14a**	
b	The plan year immediately preceding the current plan year	**14b**	
c	The second preceding plan year	**14c**	

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a	The corresponding number for the plan year immediately preceding the current plan year	**15a**	
b	The corresponding number for the second preceding plan year	**15b**	

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:

a	Enter the number of employers who withdrew during the preceding plan year	**16a**	
b	If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	**16b**	

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN

FINANCIAL STATEMENTS AND SUPPLEMENTARY INFORMATION

YEAR ENDED DECEMBER 31, 2012

MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN
TABLE OF CONTENTS
YEAR ENDED DECEMBER 31, 2012

INDEPENDENT AUDITORS' REPORT	**1**
FINANCIAL STATEMENTS	
STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS	**3**
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS	**4**
NOTES TO FINANCIAL STATEMENTS	**5**
SUPPLEMENTAL SCHEDULE (ATTACHMENT TO FORM 5500)	
SCHEDULE H, LINE 4i – SCHEDULE OF ASSETS (HELD AT END OF YEAR)	**16**

CliftonLarsonAllen LLP
CLAconnect.com

INDEPENDENT AUDITORS' REPORT

Plan Administrator
McIntosh Laboratory Inc 401(k) Retirement Plan
Binghamton, New York

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of McIntosh Laboratory Inc 401(k) Retirement Plan, which comprise the statement of net assets available for benefits as of December 31, 2012, and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audit in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the *Basis for Disclaimer of Opinion* paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the Plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 3, which was certified by Delaware Charter Guarantee and Trust Company dba: Principal Trust Company, the custodian of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the Plan administrator that the custodian holds the Plan's investment assets and executes investment transactions. The Plan administrator has obtained a certification from the custodian as of and for the year ended December 31, 2012, that the information provided to the Plan administrator by the custodian is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Other Matter

The supplemental schedule of assets (held at end of year) as of December 31, 2012, is required by the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 and is presented for the purpose of additional analysis and is not a required part of the financial statements. Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we do not express an opinion on this supplemental schedule.

Report on Form and Content in Compliance With DOL Rules and Regulations

The form and content of the information included in the financial statements and supplemental schedule, other than that derived from the information certified by the custodian, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

CliftonLarsonAllen LLP

CliftonLarsonAllen LLP

Minneapolis, Minnesota
October 14, 2013

MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN
STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2012

ASSETS

INVESTMENTS (at Fair Value)		
Guaranteed Interest Account	$	322,144
Mutual Funds		467,247
Pooled Separate Accounts		4,278,877
Collective Trust Fund		104,144
Total Investments		5,172,412
RECEIVABLES		
Employee 401(k) Deferral Contributions		2,285
Employer Match Contributions		664
Notes Receivable from Participants		264,099
Total Receivables		267,048
NET ASSETS AVAILABLE FOR BENEFITS AT FAIR VALUE		5,439,460
ADJUSTMENT FROM FAIR VALUE TO CONTRACT VALUE FOR INTEREST IN COLLECTIVE TRUST FUND AND GENERAL ACCOUNT RELATING TO FULLY BENEFIT-RESPONSIVE INVESTMENT CONTRACTS		(2,011)
NET ASSETS AVAILABLE FOR BENEFITS	$	5,437,449

See accompanying Notes to Financial Statements.

MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
YEAR ENDED DECEMBER 31, 2012

ADDITIONS TO (DEDUCTIONS FROM) NET ASSETS AVAILABLE FOR BENEFITS ATTRIBUTED TO:	
INVESTMENT INCOME	
Net Appreciation in Fair Value of Investments	$ 222,521
Interest and Dividends	2,529
Net Investment Income	225,050
INTEREST INCOME ON NOTES RECEIVABLE FROM PARTICIPANTS	757
CONTRIBUTIONS	
Employee 401(k) Deferral	27,512
Employer Match	7,464
Total Contributions	34,976
BENEFIT PAYMENTS	(11,497)
ADMINISTRATIVE EXPENSES	(1,714)
NET INCREASE PRIOR TO TRANSFERS	247,572
TRANSFERS FROM OTHER PLAN	5,189,877
NET INCREASE AFTER TRANSFERS	5,437,449
NET ASSETS AVAILABLE FOR BENEFITS	
Beginning of Year	-
End of Year	$ 5,437,449

See accompanying Notes to Financial Statements.

NOTE 1 DESCRIPTION OF PLAN

The following description of McIntosh Laboratory Inc (the Employer) 401(k) Plan (the Plan) provides only general information. Participants should refer to the Plan document for a more complete description of the Plan's provisions.

General

The Plan is a defined contribution plan originally effective April 1, 1988. The Plan has been amended to comply with tax legislation and most recently amended and restated effective November 15, 2012. The Plan excludes leased employees, employees covered by a collective bargaining agreement, independent contractors and rotational staff. The Plan is subject to the Employee Retirement Income Security Act of 1974 (ERISA), as amended.

The Plan was created as a result of a spin-off from another plan. Transfers received into the Plan were $5,189,877.

Eligibility

Employees shall be eligible to participate in the salary reduction arrangement in the Plan and Employer contributions and enter the Plan upon hire.

Contributions

The Plan includes a salary deferral arrangement allowed under Section 401(k) of the Internal Revenue Code (IRC). Eligible participants are permitted to elect to have a percentage, limited by Plan provisions, of their compensation contributed as pre-tax 401(k) contributions to the Plan. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions.

The Employer makes matching contribution to the Plan equal to 100% of salary deferral contributions up to 2% of Plan compensation. The Employer may, at its discretion, make discretionary contributions. There were no Employer discretionary contributions for the year ended December 31, 2012.

Participants may also contribute amounts representing distributions from other qualified defined benefit or contribution plans or conduit IRA’s. Participants direct the investment of contributions into various investment options offered by the Plan. The Plan currently offers various investments as investment options for participants. Contributions are subject to certain limitations.

Participant Accounts

Each participant's account is credited with the participant's contributions, the Employer's matching contribution, an allocation of the Employer’s discretionary contribution, and an allocation of Plan earnings or losses. Allocations are based on participant earnings or account balances, as defined. Income is allocated daily based on the shares in the participant’s account. The benefit to which a participant is entitled is the benefit that can be provided by the participant's account.

NOTE 1 DESCRIPTION OF PLAN (CONTINUED)

Notes Receivable from Participants

Participants may borrow from their accounts a minimum of $1,000 up to a maximum equal to the lesser of $50,000 or 50% of their vested account balances. Principal and interest is paid ratably through payroll deductions. Loan terms are up to five years, except for loans to fund the purchase of a principal residence, for which the loan may be repaid over a reasonable period that may exceed five years. The loans are secured by the balance in the participant's account and bear interest at a rate commensurate with local prevailing rates as determined by the Plan administrator. At December 31, 2012, interest rates on outstanding loans ranged from 4.25% to 10.25%.

Vesting

Participants are immediately vested in their contributions plus actual earnings thereon. Vesting in the Employer matching and discretionary contribution portion of their accounts, plus actual earnings thereon, is based on years of credited service. A participant is 100% vested after four years of credited service. A participant is fully vested upon reaching normal retirement age, death, or permanent disability.

Benefit Payments

Upon termination of service, death, disability, normal retirement (age 65) or early retirement (age 55 and four years of vested service), the participant will receive the value of the vested interest in his or her account in the form of a lump sum of installment distributions. The Plan allows for in-service distributions if a participant reaches age 59½, subject to Plan provisions. The Plan also allows for hardship distributions. If a participant terminates employment and the participant’s account balance does not exceed $5,000, the Plan administrator will authorize the benefit payment without the participant’s consent.

Forfeited Accounts

Forfeited non-vested accounts are used to reduce Employer contributions. There were no forfeited non-vested accounts as of December 31, 2012 and there were no forfeitures used for the year ended December 31, 2012.

NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Basis of Accounting (Continued)

Investment contracts held by a defined contribution plan are required to be reported at fair value. However, contract value is the relevant measurement attribute for that portion of the net assets available for benefits of a defined contribution plan attributable to fully benefit-responsive investment contracts because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the Plan. The statement of net assets available for benefits present the fair value of the investment contracts as well as the adjustment of the fully benefit-responsive investment contracts from fair value to contract value. The statement of changes in net assets available for benefits is prepared on a contract value basis.

Fair Value Measurements

Financial Accounting Standards Board (FASB) *Accounting Standards Codification* (ASC) 820, *Fair Value Measurements and Disclosures*, provides the framework for measuring fair value. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described as follows:

Level 1: Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2: Inputs to the valuation methodology include:

- quoted prices for similar assets or liabilities in active markets;
- quoted prices for identical or similar assets or liabilities in inactive markets;
- inputs other than quoted prices that are observable for the asset or liability;
- inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: Inputs to the valuation methodology are unobservable and significant to the fair market value measurement.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs. There have been no changes in the valuation methodologies used at December 31, 2012.

NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Fair Value Measurements (Continued)

During 2011, FASB released ASU 2011-04 *Fair Value Measurement (Topic 820): Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in U.S. GAAP and IFRSs*. This guidance changes the requirements to provide greater transparency around fair value measurements, particularly for Level 3 unobservable inputs and assumptions, and is effective for fiscal years beginning after December 15, 2011. This guidance does not require the change to be retrospectively applied to prior periods presented. The Plan adopted this guidance effective for the Plan year ending December 31, 2012.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Delinquent participant loans are reclassified as distributions based upon the terms of the Plan document.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

The Plan's investments are valued at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date.

Investments in the insurance company general account are valued at fair value by discounting the related cash flows based on current yields of similar instruments with comparable durations considering the credit worthiness of the issuer. In determining the reasonableness of the methodology, the Employer evaluates a variety of factors including review of existing contracts, economic conditions, industry and market developments, and overall credit ratings. Certain unobservable inputs are assessed through review of contract terms while others are substantiated utilizing available market data.

Investments in the mutual funds are valued at the net asset value (NAV) of shares held by the Plan at year-end.

Pooled separate accounts and collective trust fund are valued based on the NAV of units, which are based on market prices of the underlying investments in the accounts at year-end.

NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Investment Valuation and Income Recognition (Continued)

The preceding methods described may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

Purchases and sales of securities are recorded on a trade-date basis. Investment income is recorded on the accrual basis. Net appreciation (depreciation) includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Administrative Expenses

The Employer pays certain administrative expenses on behalf of the Plan.

Benefit Payments

Benefits are recorded when paid.

Subsequent Events

In preparing these financial statements, the Plan has evaluated events and transactions for potential recognition or disclosure through October 14, 2013, the date the financial statements were available to be issued.

NOTE 3 CERTIFICATION OF INVESTMENT INFORMATION

Delaware Charter Guarantee and Trust Company dba: Principal Trust Company (Principal), the custodian of the Plan, has supplied the Plan administrator with a certification as to the completeness and accuracy of all investment information reflected on the accompanying statement of net assets available for benefits as of December 31, 2012, the statement of changes in net assets available for benefits for the year then ended, and the supplemental schedule of assets (held at end of year) as of December 31, 2012.

NOTE 4 FAIR VALUE OF INVESTMENTS

The following table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2012:

	Level 1	Level 2	Level 3	Total
Guaranteed Interest Account	$ -	$ -	$ 322,144	$ 322,144
Mutual Funds:				
International Equity	11,178	-	-	11,178
Large U.S. Equity	266,911	-	-	266,911
Small/Mid U.S. Equity	189,158	-	-	189,158
Total Mutual Funds	467,247	-	-	467,247
Pooled Separate Accounts:				
Balanced/Asset Allocation	-	360,612	-	360,612
Fixed Income	-	604,944	-	604,944
International Equity	-	761,210	-	761,210
Large U.S. Equity	-	1,192,476	-	1,192,476
Short-Term Fixed Income	-	385,169	-	385,169
Small/Mid U.S. Equity	-	974,466	-	974,466
Total Pooled Separate Accounts	-	4,278,877	-	4,278,877
Short-Term Fixed Income Collective Trust Fund	-	104,144	-	104,144
Total Investments	$ 467,247	$ 4,383,021	$ 322,144	$ 5,172,412

The following table sets forth a summary of changes in the fair value of the Plan's Level 3 assets for the years ended December 31, 2012:

	Guaranteed Interest Account
Balance, Beginning of Year	$ -
Unrealized Loss	(381)
Interest	826
Purchases	321,957
Settlements	(258)
Balance, End of Year	$ 322,144

NOTE 4 FAIR VALUE OF INVESTMENTS (CONTINUED)

The following table sets forth additional disclosures for the fair value measurement of investments in certain entities that calculate net asset value per share (or its equivalent) as of December 31:

Investment Type	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period
Pooled Separate Accounts:				
Balanced/Asset Allocation	$ 360,612	$ -	Daily	Daily
Fixed Income	604,944	-	Daily	Daily
International Equity	761,210	-	Daily	Daily
Large U.S. Equity	1,192,476	-	Daily	Daily
Short-Term Fixed Income	385,169	-	Daily	Daily
Small/Mid U.S. Equity	974,466	-	Daily	Daily
Short-Term Fixed Income Collective Trust Fund	104,144	-	Daily	Daily

Principal reserves the right to defer such transfer or payments up to the maximum number of days allowed for each Separate Account which range from 30 days to 12 months.

The balanced/asset allocation pooled separate accounts' objective is to have broad exposure to the domestic and foreign equity and fixed-income markets.

The fixed-income pooled separate accounts' objective is to invest in bond and mortgage type investments including bonds and mortgages from both the U.S. and non-U.S. corporations.

The international equity pooled separate accounts' objective is to seek capital appreciation by investing in stocks and other securities of corporations located outside the U.S.

The large U.S. equity pooled separate accounts' objective is to invest in stocks and securities of companies similar to those stocks which are used to calculate the S&P's 500 Stock Index.

The short-term fixed income pooled separate accounts' objective is to invest primarily in money market instruments.

NOTE 4 FAIR VALUE OF INVESTMENTS (CONTINUED)

The small/mid U.S. equity pooled separate accounts' objective is to invest in common stocks from small to medium-sized corporations.

The short-term fixed income collective trust fund is to provide preservation of capital, relatively stable returns consistent with its comparatively low risk profile, and liquidity for benefit-responsive payments.

The following table represents the Plan's Level 3 financial instruments, the valuation techniques used to measure the fair value of those financial instruments, and the significant unobservable inputs and the ranges of values for those inputs:

Investment	Fair Value	Principal Valuation Technique	Unobservable Inputs	Range of Significant Input Values
Guaranteed Interest Account	$ 322,144	Assumed Proceeds at Discontinuation	Composite Guaranteed Rate; Current Rate on December 31, 2012	.72-4.39%; .64%

NOTE 5 INVESTMENTS

The following presents investments that represent 5% or more of the Plan's net assets available for benefits as of December 31, 2012:

Guaranteed Interest Account (at contract value)	$ 322,525
Principal Money Market Separate Account	385,169
Principal Bond and Mortgage Separate Account	604,944
T. Rowe Price LargeCap Growth I Separate Account	581,476
T. Rowe Price LargeCap Blend II Separate Account	401,998
Principal MidCap Blend Separate Account	282,041
Principal MidCap Value III Separate Account	393,248
Principal Diversified International Separate Account	761,210

NOTE 5 INVESTMENTS (CONTINUED)

During 2012, the Plan's investments (including gains and losses on investments bought and sold, as well as held during the year) appreciated as follows:

Investments at Quoted Prices:		
Mutual Funds	$	23,107
Investments at Estimated Prices:		
Pooled Separate Accounts		199,290
Collective Trust Fund		124
Total Net Appreciation	$	222,521

NOTE 6 INVESTMENT CONTRACT WITH INSURANCE COMPANY

Investments in insurance company investment contracts (GICs) are stated at contract value which is equal to the principal balance plus accrued interest, because it is fully benefit responsive. The fair value of the GIC is calculated by discounting the related cash flows based on current yields of similar instruments with comparable durations. The contract provides for withdrawals associated with certain events which are not in the ordinary course of plan operations, and that the insurance company determines will have a material adverse effect on its financial interest, will be paid with a fair value adjustment to the contract value amount of such withdrawal as defined in such contracts. Such events include the following: (*i*) withdrawing the accounts prior to maturity; *(ii*) failure of the trust to qualify for exemption from federal income taxes or any required prohibited transaction exemption under ERISA. The Plan administrator does not believe that the occurrence of any such value event which would limit the Plan's ability to transact at contract value with the participants is probable. Contract value approximates fair value with regards to the GIC held by the Plan.

The GIC does not permit the insurance company to terminate the agreement prior to the scheduled maturity date. For the year ended December 31, 2012, the crediting interest rate in the guaranteed interest account varied between .72% and 4.39%.

NOTE 7 RISKS AND UNCERTAINTIES

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of the investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits.

NOTE 8 PLAN TERMINATION

Although it has not expressed any intent to do so, the Employer has the right under the Plan to discontinue contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, the participants would become 100% vested in their Employer contributions.

NOTE 9 PLAN TAX STATUS

The Plan is placing reliance on an opinion letter dated March 31, 2008 received from the Internal Revenue Service (IRS) on the prototype plan indicating that the Plan is qualified under Section 401 of the IRC and is therefore not subject to tax under current income tax law. The Plan has been amended since receiving the opinion letter. However, the Plan administrator believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC.

Accounting principles generally accepted in the United States of America require plan management to evaluate tax positions taken by the plan and recognize a tax liability if the organization has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

NOTE 10 PARTY-IN-INTEREST TRANSACTIONS

The Plan investments are managed by Principal, the custodian. Principal is the custodian as defined by the Plan and, therefore, the investment transactions qualify as party-in-interest transactions.

NOTE 11 RECONCILIATION TO FORM 5500

The following is a reconciliation of net assets available for benefits per the financial statements at December 31, 2012 to the Form 5500:

	Amount
Net Assets Available for Benefits per the Financial Statements	$ 5,437,449
Adjustment from Fair Value to Contract Value	2,011
Immaterial Difference	244
Net Assets Available for Benefits per the the Form 5500	$ 5,439,704

The following is a reconciliation of net increase per the financial statements for the year ended December 31, 2012 to the Form 5500:

	Amount
Net Increase per the Financial Statements	$ 247,572
Adjustment from Fair Value to Contract Value	2,011
Immaterial Difference	244
Net Income per Form 5500	$ 249,827

MCINTOSH LABORATORY INC 401(K) RETIREMENT PLAN
E.I.N. 15-0542298 PLAN NO. 003
SCHEDULE H, LINE 4i – SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2012

(a)	(b) Identity of Issue, Borrower, Lessor or Similar Party	(c) Description of Investment	(d) Cost Value **	(e) Current Value
*	Principal Life Insurance Company	Guaranteed Interest Account		$ 322,144
*	Principal Life Insurance Company	Stable Value Fund		104,144
*	Principal Life Insurance Company	Lifetime 2010 Account		48,165
*	Principal Life Insurance Company	Lifetime 2015 Account		24,880
*	Principal Life Insurance Company	Lifetime 2020 Account		110,390
*	Principal Life Insurance Company	Lifetime 2025 Account		37,139
*	Principal Life Insurance Company	Lifetime 2030 Account		56,236
*	Principal Life Insurance Company	Lifetime 2035 Account		2,809
*	Principal Life Insurance Company	Lifetime 2040 Account		29,192
*	Principal Life Insurance Company	Lifetime 2045 Account		48,973
*	Principal Life Insurance Company	Lifetime 2050 Account		372
*	Principal Life Insurance Company	Lifetime 2055 Account		2,140
*	Principal Life Insurance Company	Money Market Account		385,169
*	Principal Life Insurance Company	Bond and Mortgage Account		604,944
*	Principal Life Insurance Company	Large Cap S&P 500 Index Account		209,002
*	Principal Life Insurance Company	Small Cap Growth I Account		137,784
*	Principal Life Insurance Company	Diversified International Stock Account		761,210
*	Principal Life Insurance Company	Mid Cap Growth Account		48,256
*	Principal Life Insurance Company	Small Cap Value II Account		113,137
*	Principal Life Insurance Company	Mid Cap Blend Account		282,041
*	Principal Life Insurance Company	Lifetime Strategy Income Account		316
*	Principal Life Insurance Company	Mid Cap Value III Account		393,248
*	Principal Life Insurance Company	Large Cap Growth Account		581,476
*	Principal Life Insurance Company	Large Cap Blend II Account		401,998
	American Century	Growth R Fund		79,845
	MFS	Value R2 Fund		187,066
	Fidelity Advisors	Small Cap T Fund		189,158
	MFS	International New Discovery R2 Fund		5,378
	Oppenheimer	Developing Markets N Fund		5,800
*	Participants	Participant Loans 4.25% - 10.25% Interest		264,099
	Total Assets (Held at End of Year)			$ 5,436,511

** Indicates party-in-interest*

***Cost omitted for participant-directed accounts*

F051TF

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

MCINTOSH LABORATORY INC 401(K) RETIREMENT PLA

EIN 15 0542298
PLAN NUMBER 003
PLAN YEAR 01/01/2012 TO 12/31/2012

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
	American Century Investments	Registered Investment Company AMER CENT GROWTH R FUND	$ 0.00	$ 79,844.88
	Fidelity Investments	Registered Investment Company FIDELITY ADV SMALL CAP T FUND	$ 0.00	$ 189,158.24
*	Principal Life Insurance Company	Insurance Company General GUARANTEED INTEREST	$ 0.00	$ 322,144.06
	MFS Investment Management	Registered Investment Company MFS INTL NEW DISCOVERY R2 FUND	$ 0.00	$ 5,377.64
	MFS Investment Management	Registered Investment Company MFS VALUE R2 FUND	$ 0.00	$ 187,065.95
	Oppenheimer	Registered Investment Company OPPEN DEVELOPING MKTS N FUND	$ 0.00	$ 5,800.39
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN BOND AND MORTGAGE SA-R4	$ 0.00	$ 604,943.60
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN DIVERSIFIED INTL SA-R4	$ 0.00	$ 761,209.57
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LARGECAP BLEND II SA-R4	$ 0.00	$ 401,998.11
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LARGECAP GROWTH I SA-R4	$ 0.00	$ 581,475.87
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LGCAP S&P 500 INDEX SA-R4	$ 0.00	$ 209,002.24
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME STRAT INC SA-R4	$ 0.00	$ 316.48
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2010 SEP ACCT-R4	$ 0.00	$ 48,165.43
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2015 SEP ACCT-R4	$ 0.00	$ 24,879.65
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2020 SEP ACCT-R4	$ 0.00	$ 110,389.71

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

MCINTOSH LABORATORY INC 401(K) RETIREMENT PLA

EIN 15 0542298
PLAN NUMBER 003
PLAN YEAR 01/01/2012 TO 12/31/2012

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2025 SEP ACCT-R4	$ 0.00	$ 37,138.79
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2030 SEP ACCT-R4	$ 0.00	$ 56,235.71
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2035 SEP ACCT-R4	$ 0.00	$ 2,809.27
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2040 SEP ACCT-R4	$ 0.00	$ 29,192.11
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2045 SEP ACCT-R4	$ 0.00	$ 48,973.12
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2050 SEP ACCT-R4	$ 0.00	$ 370.94
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETIME 2055 SEP ACCT-R4	$ 0.00	$ 2,139.89
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN MIDCAP BLEND SEP ACCT-R4	$ 0.00	$ 282,041.44
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN MIDCAP GROWTH SEP ACCT-R4	$ 0.00	$ 48,255.74
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN MIDCAP VALUE III SA-R4	$ 0.00	$ 393,248.44
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN MONEY MARKET SEP ACCT-R6	$ 0.00	$ 385,169.31
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN SMALLCAP GROWTH I SA-R4	$ 0.00	$ 137,783.96
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN SMALLCAP VALUE II SA-R4	$ 0.00	$ 113,137.21
*	Union Bond & Trust Company	Common/Collective Trust PRINCIPAL STABLE VALUE FUND	$ 0.00	$ 104,144.00
	Participant Loans	Range of Interest Rates Rates Range From 4.25% To 10.25%	$ 0.00	$ 264,343.00

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)