

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT
TO RULES 13d-1(b)(c), AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO RULE 13d-2(b)
(Amendment No. 3)*

ACUSPHERE, INC.

(Name of Issuer)

COMMON STOCK

(Title of Class of Securities)

00511R870

(CUSIP Number)

December 31, 2006

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the Rule pursuant to which this
Schedule is filed:

- Rule 13d - 1(b)
 Rule 13d - 1(c)
 Rule 13d - 1(d)

* The remainder of this cover page shall be filled out for a reporting
person's initial filing on this form with respect to the subject class of
securities, and for any subsequent amendment containing information which
would alter disclosures provided in a prior cover page.

The information required on the remainder of this page shall not be
deemed to be "filed" for the purpose of Section 18 of the Securities Exchange
Act of 1934 ("Act") or otherwise subject to the liabilities of that section
of the Act but shall be subject to all other provisions of the Act (however,
see the Notes.)

(Continued on following page(s))

CUSIP No. 00511R 13G
87 0

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES
ONLY):

Bank of America Ventures
95-6016836

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

California

1,375,975

5 SOLE VOTING POWER
NUMBER OF
SHARES
BENEFICIALLY
OWNED BY EACH
REPORTING
PERSON WITH

0

6 SHARED VOTING POWER

1,375,975

7 SOLE DISPOSITIVE POWER

0

8 SHARED DISPOSITIVE POWER

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH
REPORTING PERSON

1,375,975

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES*

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

4.77%

12 TYPE OF REPORTING PERSON*

CO

*SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 00511R
87 0

13G

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES
ONLY):

Bank of America, National Association
94-1687665

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) []

(b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

149,474

5 SOLE VOTING POWER
NUMBER OF
SHARES
BENEFICIALLY
OWNED BY EACH
REPORTING
PERSON WITH

2,245,473

6 SHARED VOTING POWER

161,567

7 SOLE DISPOSITIVE POWER

2,401,373

8 SHARED DISPOSITIVE POWER

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH
REPORTING PERSON 2,562,940

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
8.90%

12 TYPE OF REPORTING PERSON*
BK

*SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 00511R 13G
87 0

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS
(ENTITIES ONLY):

NB Holdings Corporation
56-1857749

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) [] (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

0
5 SOLE VOTING POWER
NUMBER OF
SHARES
BENEFICIALLY
OWNED BY EACH
REPORTING
PERSON WITH

2,582,090
6 SHARED VOTING POWER

0
7 SOLE DISPOSITIVE POWER

2,750,083
8 SHARED DISPOSITIVE POWER

2,750,083
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH
REPORTING PERSON

[]
10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES*

9.54%
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

CO
12 TYPE OF REPORTING PERSON*

*SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 00511R 13G
87 0

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES
ONLY):

BancBoston Ventures, Inc.
04-6013165

(a) []
(b) []
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

3 SEC USE ONLY

Massachusetts
4 CITIZENSHIP OR PLACE OF ORGANIZATION

292,554

5 SOLE VOTING POWER
NUMBER OF
SHARES
BENEFICIALLY
OWNED BY EACH
REPORTING
PERSON WITH

0

6 SHARED VOTING POWER

292,554

7 SOLE DISPOSITIVE POWER

0

8 SHARED DISPOSITIVE POWER

292,554

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.01%

12 TYPE OF REPORTING PERSON*

CO

*SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 00511R
87 0

13G

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY):

Columbia Management Group, LLC
94-1687665

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) []

(b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

0

5 SOLE VOTING POWER

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY EACH
REPORTING
PERSON WITH

6 SHARED VOTING POWER 576,555

7 SOLE DISPOSITIVE POWER 0

8 SHARED DISPOSITIVE POWER 732,455

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING
PERSON 732,455

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
2.54%

12 TYPE OF REPORTING PERSON*
CO

*SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 00511R 13G
87 0

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES
ONLY):

Columbia Management Advisors, LLC
94-1687665

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) []

(b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

576,555

5 SOLE VOTING POWER

NUMBER OF
SHARES
BENEFICIALLY

OWNED BY EACH
REPORTING
PERSON WITH

6 SHARED VOTING POWER

0

7 SOLE DISPOSITIVE POWER

732,455

8 SHARED DISPOSITIVE POWER

0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING
PERSON

732,455

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES*

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

2.54%

12 TYPE OF REPORTING PERSON*

IA

*SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 00511R
87 0

13G

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS
(ENTITIES ONLY):

Bank of America Corporation
56-0906609

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) []

(b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

0

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY EACH
REPORTING

PERSON WITH

2,734,973

6 SHARED VOTING POWER

0

7 SOLE DISPOSITIVE POWER

2,902,966

8 SHARED DISPOSITIVE POWER

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,902,966

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

10.07%

12 TYPE OF REPORTING PERSON*

HC

*SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 00511R
87 0

13G

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS
(ENTITIES ONLY):

BankAmerica Investment Corporation
36-3101574

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) []

(b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

152,883

5 SOLE VOTING POWER

NUMBER OF
SHARES
BENEFICIALLY

OWNED BY EACH
REPORTING
PERSON WITH

6 SHARED VOTING POWER

0

7 SOLE DISPOSITIVE POWER

152,883

8 SHARED DISPOSITIVE POWER

0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH
REPORTING PERSON

152,883

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES*

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

0.53%

12 TYPE OF REPORTING PERSON*

CO

*SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 00511R
87 0

13G

1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS
(ENTITIES ONLY):

Bank of America Capital Advisors LLC
36-3009841

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) []

(b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

187,143

NUMBER OF
SHARES
BENEFICIALLY

OWNED BY EACH
REPORTING
PERSON WITH

0
6 SHARED VOTING POWER

187,143
7 SOLE DISPOSITIVE POWER

0
8 SHARED DISPOSITIVE POWER

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH
REPORTING PERSON
187,143

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES*
[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
0.65%

12 TYPE OF REPORTING PERSON*
IA

*SEE INSTRUCTIONS BEFORE FILLING OUT!

Item 1(a). Name of Issuer:

Acusphere, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices:

500 Arsenal Street
Watertown, Massachusetts 02472

Item 2(a). Name of Person Filing:

Bank of America Corporation
NB Holdings Corporation
Bank of America, National Association
BancBoston Ventures, Inc.
Banc of America Ventures
BankAmerica Investment Corporation
Columbia Management Group, LLC
Columbia Management Advisors, LLC
Bank of America Capital Advisors LLC

Item 2(b). Address of Principal Business Office or, if None,
Residence:

Each Reporting Person has its or his principal business office at
100 North Tryon Street, Floor 25, Bank of America Corporate Center,
Charlotte, NC 28255.

Item 2(c). Citizenship:

Bank of America Corporation Delaware
NB Holdings Corporation Delaware
Bank of America, National Association United States
BancBoston Ventures, Inc. Massachusetts
Banc of America Ventures California
BankAmerica Investment Corporation Delaware

Item 2(d). Title of Class of Securities: Common Stock

Item 2(e). CUSIP Number: 00511R870

Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:

- (a) Broker or dealer registered under Section 15 of the Exchange Act.
- (b) Bank as defined in Section 3(a)(6) of the Exchange Act.
- (c) Insurance company as defined in Section 3(a)(19) of the Exchange Act.
- (d) Investment company registered under Section 8 of the Investment Company Act.
- (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).
- (f) An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).
- (g) A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).
- (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act.
- (j) Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1(c), check this box.

Item 4. Ownership:

With respect to the beneficial ownership of the reporting person, see Items 5 through 11 of the cover pages to this Schedule 13G, which are incorporated herein by reference.

Item 5. Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

Item 6. Ownership of More than Five Percent on Behalf of Another Person:

Not applicable.

Item 7. Identification and Classification of the Subsidiary which Acquired the Security Being Reported on By the Parent Holding Company:

Not applicable.

Item 8. Identification and Classification of Members of the Group:

Not applicable.

Item 9. Notice of Dissolution of Group:

Not applicable.

Item 10. Certification:

By signing below each of the undersigned certifies that, to the best of such undersigned's knowledge and belief, the securities referred to above were not acquired and are not for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of the undersigned's knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated: February 12, 2007

BANK OF AMERICA CORPORATION
NB HOLDINGS CORPORATION
BANK OF AMERICA, NATIONAL ASSOCIATION

By: /s/ Charles F. Bowman
Charles F. Bowman
Senior Vice President

BANKAMERICA INVESTMENT CORPORATION
BANK OF AMERICA VENTURES

By: /s/ M. Ann O'Brien
M. Ann O'Brien
Managing Director

BANCBOSTON VENTURES, INC.

By: /s/ Matthew G. Frazier
Matthew G. Frazier
Vice President

COLUMBIA MANAGEMENT GROUP, LLC
COLUMBIA MANAGEMENT ADVISORS, LLC

By: /s/ Keith Banks
Keith Banks
President

BANK OF AMERICA CAPITAL ADVISORS LLC

By: /s/ David Hohmann
David Hohmann
Head of Operation

Exhibit 99.1

JOINT FILING AGREEMENT

The undersigned hereby agree that they are filing this statement jointly pursuant to Rule 13d-1(k)(1). Each of them is responsible for the timely filing of such Schedule 13G and any amendments thereto, and for the completeness and accuracy of the information concerning such person contained therein; but none of them is responsible for the completeness or accuracy of the information concerning the other persons making the filing, unless such person knows or has reason to believe that such information is inaccurate.

In accordance with Rule 13d-1(k)(1) promulgated under the Securities and Exchange Act of 1934, as amended, the undersigned hereby agree to the joint filing with each other on behalf of each of them of to such a statement on Schedule 13G with respect to the common stock of Acusphere, Inc. beneficially owned by each of them. This Joint Filing Agreement shall be included as an exhibit to such Schedule 13G.

Dated: February 12, 2007

BANK OF AMERICA CORPORATION
NB HOLDINGS CORPORATION
BANK OF AMERICA, NATIONAL ASSOCIATION

By: /s/ Charles F. Bowman
Charles F. Bowman
Senior Vice President

BANKAMERICA INVESTMENT CORPORATION
BANK OF AMERICA VENTURES

By: /s/ M. Ann O'Brien
M. Ann O'Brien
Managing Director

BANCBOSTON VENTURES, INC.

By: /s/ Matthew G. Frazier
Matthew G. Frazier
Vice President

COLUMBIA MANAGEMENT GROUP, LLC

COLUMBIA MANAGEMENT ADVISORS, LLC

By: /s/ Keith Banks
Keith Banks
President

BANK OF AMERICA CAPITAL ADVISORS LLC

By: /s/ David Hohmann
David Hohmann
Head of Operation