

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

SCHEDULE 13G
UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 2)

MARTEK BIOSCIENCES CORPORATION

(Name of Issuer)

COMMON STOCK

(Title of Class of Securities)

572901106

(CUSIP Number)

DECEMBER 31, 2000

(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)

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CUSIP No. 572901106

1 NAME OF REPORTING PERSON: Bank of America Corporation

IRS IDENTIFICATION NO. OF ABOVE PERSON: 560906609

2 CHECK APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION: United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING
PERSON WITH:

5 Sole Voting Power: 0

6 Shared Voting Power: 1,298,479

7 Sole Dispositive Power: 0

8 Shared Dispositive Power: 1,297,979

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY REPORTING PERSON

1,298,479

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9: 7.29%

12 TYPE OF REPORTING PERSON: HC

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CUSIP No. 572901106

1 NAME OF REPORTING PERSON: NB Holdings Corporation

IRS IDENTIFICATION NO. OF ABOVE PERSON:

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

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION: United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING
PERSON WITH:

5 Sole Voting Power: 0

6 Shared Voting Power: 1,298,479

7 Sole Dispositive Power: 0

8 Shared Dispositive Power: 1,297,979

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING
PERSON

1,298,479

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9: 7.29%

12 TYPE OF REPORTING PERSON: HC

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CUSIP No. 572901106

1 NAME OF REPORTING PERSON: Bank of America, N.A.

IRS IDENTIFICATION NO. OF ABOVE PERSON:

2 CHECK APPROPRIATE BOX IF MEMBER OF A GROUP: (a) (b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION: United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5 SOLE VOTING POWER: 20,100

6 SHARED VOTING POWER: 1,278,379

7 SOLE DISPOSITIVE POWER: 19,600

8 SHARED DISPOSITIVE POWER: 1,278,379

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,298,479

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9: 7.29%

12 TYPE OF REPORTING PERSON: BK

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CUSIP No. 572901106

1 NAME OF REPORTING PERSON:

Banc of America Capital Management, Inc.

IRS IDENTIFICATION NO. OF ABOVE PERSON:

2 CHECK APPROPRIATE BOX IF MEMBER OF A GROUP: (a) (b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION: United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5 SOLE VOTING POWER: 546,047

6 SHARED VOTING POWER: 0

7 SOLE DISPOSITIVE POWER: 546,047

8 SHARED DISPOSITIVE POWER: 0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING
PERSON

546,047

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9: 3.07%

12 TYPE OF REPORTING PERSON: IA

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CUSIP No. 572901106

1 NAME OF REPORTING PERSON:

BA Equity Holdings, L.P.

IRS IDENTIFICATION NO. OF ABOVE PERSON:

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

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION: United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING
PERSON WITH:

5 SOLE VOTING POWER: 0

6 SHARED VOTING POWER: 732,332

7 SOLE DISPOSITIVE POWER: 0

8 SHARED DISPOSITIVE POWER: 732,332

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING
PERSON

732,332

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9: 4.11%

12 TYPE OF REPORTING PERSON: CO

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1 NAME OF REPORTING PERSON:

BA SBIC Management, LLC

IRS IDENTIFICATION NO. OF ABOVE PERSON:

2 CHECK APPROPRIATE BOX IF MEMBER OF A GROUP: (a) (b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION: United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5 SOLE VOTING POWER: 0

6 SHARED VOTING POWER: 732,332

7 SOLE DISPOSITIVE POWER: 0

8 SHARED DISPOSITIVE POWER: 732,332

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

732,332

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9: 4.11%

12 TYPE OF REPORTING PERSON: CO

1 NAME OF REPORTING PERSON:

BA Capital Company, L.P.

IRS IDENTIFICATION NO. OF ABOVE PERSON:

2 CHECK APPROPRIATE BOX IF MEMBER OF A GROUP: (a) (b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION: United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5 SOLE VOTING POWER: 732,332

6 SHARED VOTING POWER: 0

7 SOLE DISPOSITIVE POWER: 732,332

8 SHARED DISPOSITIVE POWER: 0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

732,332

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

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9: 4.11%

12 TYPE OF REPORTING PERSON: CO

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ITEM 1 (a) NAME OF ISSUER:

MARTEK BIOSCIENCES CORPORATION

(b) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

6480 DOBBIN ROAD
COLUMBIA, MARYLAND 21045

ITEM 2 (a) NAMES OF PERSONS FILING:

Bank of America Corporation
NB Holdings Corporation
Bank of America, N.A.
Banc of America Capital Management, Inc.
BA Equity Holdings, L.P.
BA SBIC Management, LLC
BA Capital Company, L.P.

(b) ADDRESS OF PRINCIPAL BUSINESS OFFICE:

100 North Tryon Street
Charlotte, NC 28255

(c) CITIZENSHIP:

United States

(d) TITLE OF CLASS OF SECURITIES:

COMMON STOCK

(e) CUSIP NUMBER: 572901106

ITEM 3 - IF THIS STATEMENT IS FILED PURSUANT TO RULES 13d-1(b) OR 13d-2(b) OR (c), CHECK WHETHER THE PERSON FILING IS A:

(g) [x] A parent holding company or control person in accordance with (S) 240.13d-1(b)(1)(ii)(G)

ITEM 4 - OWNERSHIP

With respect to the beneficial ownership of each reporting person, see Items 5 through 8 of the cover pages to this Schedule 13G applicable to each such person (pp. 2-8), which are incorporated herein by reference.

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ITEM 5 - OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

Not Applicable.

ITEM 6 - OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

Not Applicable.

ITEM 7 - IDENTIFICATION OF THE SUBSIDIARIES WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

NB Holdings Corporation
Bank of America, N.A.
Banc of America Capital Management, Inc.
BA Equity Holdings, L.P.
BA SBIC Management, LLC
BA Capital Company, L.P.

ITEM 8 - IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

Not Applicable.

ITEM 9 - NOTICE OF DISSOLUTION OF GROUP:

Not Applicable.

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ITEM 10 - CERTIFICATION.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held 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.

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

DATE: February 5, 2001

Bank of America Corporation
NB Holdings Corporation
Bank of America, N.A.
Banc of America Capital Management, Inc.
BA Equity Holdings, L.P.
BA SBIC Management, LLC
BA Capital Company, L.P.

BY: /s/ DAVID J. WALKER

David J. Walker
Senior Vice President
Corporate Compliance

EXHIBIT A
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.

DATE: February 5, 2001

Bank of America Corporation
NB Holdings Corporation
Bank of America, N.A.
Banc of America Capital Management, Inc.
BA Equity Holdings, L.P.
BA SBIC Management, LLC
BA Capital Company, L.P.

BY: /s/ DAVID J. WALKER

David J. Walker
Senior Vice President
Corporate Compliance