# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934 (Amendment No.)\*

TRANSPORT TWO TWO	
TRIPATH IMAGING, INC.	
(Name of Issuer)	
Common Stock (par value \$0.01 per share)	
(Title of Class of Securities)	
896942109	
(CUSIP Number)	
Jeffrey S. Sherman, Esq. Becton, Dickinson and Company 1 Becton Drive, Franklin Lakes, New Jersey 07417 (201) 847-6800	
Copy to:	
Mario A. Ponce, Esq. Simpson Thacher & Bartlett LLP 425 Lexington Avenue New York, New York 10017 (212) 455-2000 (Name, Address and Telephone Number of Person Authorized to Receive and Communications)	Notices
August 14, 2006	
(Date of Event which Requires Filing of this Statement)	
If a filing person has previously filed a statement on Schedule 13G to the acquisition that is the subject of this Schedule 13D, and is filin schedule because of Sections 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g the following box. [X]	g this
NOTE: Schedules filed in paper format shall include a signed original copies of the schedule, including all exhibits. See Section 240.13d-7 parties to whom copies are to be sent.	
* 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 securities, and for any subsequent amendment containing information who would alter disclosures provided in a prior cover page.	of
The information required on the remainder of this cover page shall not deemed to be "filed" for the purpose of Section 18 of the Securities E Act of 1934 ("Exchange Act") or otherwise subject to the liabilities o section of the Act but shall be subject to all other provisions of the (however, see the Notes).	xchange f that
CUSIP No. 896942109	
NAME OF REPORTING PERSON Becton, Dickinson and Company I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 22-0760120	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) // (b) //
3 SEC USE ONLY	

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4 SOURCE OF FUNDS

	WC								
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e)								
6	CITIZENSHIP OR PLACE OF ORGANIZATION								
	New Jersey								
NIIME	BER OF	7	SOLE VO	TING POWER					
SHA	ARES LLY OWNED BY		2,5	500,000					
EACH REPORTING		8	SHARED V	OTING POWER					
PERSO WITH	ON			0					

SOLE DISPOSITIVE POWER

2,500,000

10 SHARED DISPOSITIVE POWER

Ω

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,500,000

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

6.5%

14 TYPE OF REPORTING PERSON

\_\_\_\_\_\_

## ITEM 1. SECURITY AND ISSUER.

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The class of equity securities to which this statement relates is the common stock, \$0.01 par value per share (the "Common Stock"), of TriPath Imaging Inc., a Delaware corporation (the "Issuer"). The principal executive offices of the Issuer are located at 780 Plantation Drive, Burlington, North Carolina 27215.

## ITEM 2. IDENTITY AND BACKGROUND.

This Schedule 13D is being filed on behalf of Becton, Dickinson and Company, a New Jersey corporation ("BD"). BD is a medical technology company engaged principally in the manufacture and sale of a broad range of medical supplies, devices, laboratory equipment and diagnostic products used by healthcare institutions, life science researchers, clinical laboratories, industry and the general public. BD's executive offices are located at 1 Becton Drive, Franklin Lakes, New Jersey 07417-1880, and its telephone number is (201) 847-6800.

The name, business address, present principal occupation or employment, and citizenship of each director and executive officer of BD is set forth on Schedule A hereto.

During the past five (5) years, neither BD nor, to the best knowledge of BD, any of the other persons listed on Schedule A attached hereto, has been (i) convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors) or (ii) a party to a civil proceeding of a judicial or administrative body of competent jurisdiction and as a result of such proceeding was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to United States federal or state securities laws or finding any violation with respect to such laws.

## ITEM 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION.

On July 31, 2001, pursuant to a Securities Purchase Agreement, dated as of July 31, 2001, between the Issuer and BD, the Issuer issued 2,500,000 shares of Common Stock to BD for an aggregate purchase price of \$25,000,000. The funds used by BD for the purchase price were derived from working capital. BD has elected to convert its filing on Schedule 13G, filed with the Securities and Exchange Commission (the "SEC") on August 8, 2001, into a filing on this Schedule 13D to reflect its decision on August 14, 2006 to submit to the Issuer's Board of Directors a letter, dated August 14, 2006 (the "Proposal Letter") containing a non-binding proposal to acquire all of the issued and outstanding Common Stock of the Issuer, that BD does not currently own, at a valuation of \$9.25 per share in cash in a merger transaction (the "Proposal"). The Proposal also contemplates the payment of such cash consideration to all holders of existing options, stock appreciation rights and warrants granted by the Issuer. The Proposal Letter is filed herewith as Exhibit 7.01 and is incorporated herein by reference.

The Proposal is conditioned upon, among other things, the negotiation of mutually acceptable definitive documents and satisfactory completion of confirmatory due diligence. The Issuer is currently evaluating the Proposal and the Proposal Letter shall not create any agreement, arrangement or understanding between BD or any other parties with respect to the Issuer or the Issuer's Common Stock for purposes of any law, rule, regulation, agreement or otherwise, until such time, if any, as definitive documentation and any agreement, arrangement or understanding has been approved and thereafter executed by BD, the Issuer and all other appropriate parties. Any proposed transaction would require the

approval of the Issuer's board of directors and stockholders and BD's board of directors. BD beneficially owns approximately 6.5% of the total outstanding Common Stock of the Issuer entitled to vote on any merger agreement, and, if and when a final proposal from BD is submitted to the stockholders of the Issuer for their approval, intends to vote for such proposal.

If an acquisition of the Issuer is consummated by BD, BD contemplates that the Common Stock of the Issuer would be delisted from the Nasdaq National Market and deregistered under the Securities Exchange Act of 1934. It is further contemplated that, subsequent to an acquisition, the composition of the Issuer's Board of Directors would be changed in a manner to be determined at a later date.

In connection with the Proposal, BD intends to review on a continuing basis its investment in the Issuer. BD may seek to influence management or the Board of Directors of the Issuer with respect to the business and affairs of the Issuer, including having the Issuer take action to facilitate consummation of the Proposal. Subject to compliance with applicable law, BD may decide to increase its investment in the Issuer depending upon the price and availability of the Issuer's securities, subsequent developments affecting the Issuer, other investments and business opportunities available to BD, general stock market and other conditions, tax considerations and other factors. Alternatively, subject to market conditions and other considerations, BD may sell all or a portion of its securities of the Issuer in the open market, in privately negotiated transactions, through a public offering or otherwise. From time to time, BD may also, subject to compliance with applicable law, communicate with other stockholders of the Issuer in furtherance of the transactions contemplated by the Proposal, including soliciting stockholders of the Issuer to vote in favor of the Proposal.

The information set forth in response to this Item 4 is qualified in its entirety by reference to the Proposal Letter.

#### ITEM 5. INTEREST IN SECURITIES OF THE ISSUER.

- (a) BD is the beneficial owner of 2,500,000 shares of Common Stock of the Issuer representing approximately 6.5% of the total outstanding Common Stock of the Issuer.
- (b) Except as otherwise set forth herein, neither BD nor any other person controlling BD nor, to the best knowledge of BD, any of the persons named in Schedule A hereto has any sole or shared power to vote or direct the vote of any shares of Common Stock of the Issuer nor sole or shared power to dispose of or direct the disposition of any shares of Common Stock of the Issuer.
- (c) Except as set forth herein, no transaction relating to shares of Common Stock of the Issuer has been effected during the past 60 days by BD, any other person controlling BD or, to the best knowledge of BD, any of the persons named on Schedule A hereto.
- (d) Pursuant to a Profit-Sharing Agreement, dated as of July 31, 2001 between BD and Millennium Pharmaceuticals, Inc., a Delaware corporation ("MPI"), MPI is entitled to receive a portion of any dividends received by BD with respect to the shares of Common Stock of the Issuer covered by this Schedule 13D, as well as a portion of any net gain realized by BD in connection with any disposition of any of such shares. MPI has no right to direct the voting or disposition of such shares.

- (e) Not applicable.
- ITEM 6. CONTRACTS, ARRANGEMENTS OR UNDERSTANDINGS WITH RESPECT TO SECURITIES OF THE ISSUER.

The responses to Items 3, 4 and 5 of this Schedule 13D and Exhibit 7.01 are hereby incorporated by reference.

ITEM 7. MATERIAL TO BE FILED AS EXHIBITS.

Exhibit 7.01 Proposal Letter

#### SIGNATURE

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

Dated: August 14, 2006

BECTON, DICKINSON AND COMPANY

By:/s/ Dean Paranicas

Name: Dean Paranicas Title: Vice President, Corporate Secretary Public Relations

Schedule A

Executive Officers and Directors Becton, Dickinson and Company

The name and present principal occupation of each of the directors and executive officers of BD are set forth below. Unless otherwise stated each person is a citizen of the United States and each person's business address is 1 Becton Drive, Franklin Lakes, New Jersey 07417-1880, telephone number (201) 847-6800.

Name, Business Address Present Principal Occupation or Employment \_ \_\_\_\_\_ Edward J. Ludwig(1)

Donna M. Boles Gary M. Cohen John R. Considine

William A. Kozy Jeffrey S. Sherman

Alfred John Hanson Bertram L. Scott

Henry P. Becton, Jr.

Edward F. DeGraan James F. Orr

Margaretha af Ugglas

Financial Officer of BD Executive Vice President of BD Vincent A. Forlenza Executive Vice President of BD Senior Vice President and General Counsel of BD David T. Durack Senior Vice President, Corporate Medical Affairs of BD Patricia B. Shrader Senior Vice President, Corporate Regulatory and External Affairs of BD Executive Vice President of BD Willard J. Overlock, Jr. Director of BD

Director of BD, President and Chief Executive Officer of TIAA-CREF Life Insurance Company and Executive Vice President of TIAA-CREF Director of BD, President of WGBH Educational Foundation Director of BD

Chairman of the Board, President and Chief

Senior Executive Vice President and Chief

Senior Vice President -- Human Resources of BD

Executive Officer of BD

Executive Vice President of BD

Director of BD, Chairman and Chief Executive Officer of Convergys Corporation Director of BD

(Swedish Citizen)

James E. Perrella Alfred Sommer

Adel A. F. Mahmoud

(1) Director of BD

Basil L. Anderson Director of BD
Gary A. Mecklenburg Director of BD, President and Chief Executive Officer of Northwestern Memorial HealthCare Director of BD Director of BD, Professor of International Health, Epidemiology and Ophthalmology at The Johns Hopkins University Medical School and the Bloomberg School of Public Health Director of BD

August 14, 2006

Mr. Paul Sohmer Chairman, President and Chief Executive Officer TriPath Imaging, Inc. 780 Plantation Drive Burlington, NC 27215

Dear Paul:

At your suggestion, Becton, Dickinson and Company ("BD") is pleased to submit this non-binding proposal relating to the principal financial terms on which BD would be prepared to acquire TriPath Imaging, Inc. (the "Company"). Based on our review of available information, and subject to the conditions described below, we would be prepared to pay \$9.25 per share in cash in a merger transaction for all of the issued and outstanding stock of the Company not owned by BD and provide for the cash-out of all existing options, stock appreciation rights and warrants based on the same per share consideration.

Our proposal is conditioned upon, among other things, the prompt negotiation of mutually acceptable definitive agreements, satisfactory completion of confirmatory business, financial, accounting and legal due diligence with respect to the Company, and receipt of necessary regulatory approvals. Unless and until definitive documentation with respect to a transaction is executed, BD will be under no obligation with respect to any potential transaction.

As required by law, we will file with the Securities and Exchange Commission (the "Commission") a statement on Schedule 13D, to supplement the statement on Schedule 13G that BD has on file with the Commission, to report our proposal made in this letter. A copy of this letter will be filed as an exhibit to such amendment.

As you know, BD and TriPath have been collaborating in the field of molecular oncology since 2001, under which we share certain commercialization rights for these opportunities. This proposed transaction fits strategically with BD's objective of accelerating and advancing its presence in the cancer diagnostics market. We are excited about this transaction and are prepared to commit all necessary resources to proceed as quickly as possible. We look forward to your response and to moving forward to agreement on the definitive terms of a transaction.

Best regards,

/s/ Edward J. Ludwig

By: Edward J. Ludwig
Chairman, President and
Chief Executive Officer

Becton, Dickinson and Company