OSS CAPITAL MANAGEMENT Form SC 13G January 18, 2005

SECURITIES & EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

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

Cryolife, Inc. (Name of Issuer)

Common Stock (Title of Class of Securities)

228903100 (CUSIP Number)

January 7, 2005 (Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G is filed:

- [] Rule 13d-1(b)
- [X] 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 the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for purposes 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).

(Page 1 of 15 Pages)

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

O.S.S. Capital Management LP

(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP **	(a) (b)	
(3)	SEC USE ONLY		
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware, USA		
NUMBER OF	(5) SOLE VOTING POWER		
SHARES			
BENEFICIALL	Y (6) SHARED VOTING POWER		
OWNED BY	1,232,400		
EACH	(7) SOLE DISPOSITIVE POWER		
REPORTING			
PERSON WITH	(8) SHARED DISPOSITIVE POWER 1,232,400		
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED		
	BY EACH REPORTING PERSON 1,232,400		
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES **		[]
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.3%		
(12)	TYPE OF REPORTING PERSON ** PN		
	** SEE INSTRUCTIONS BEFORE FILLING OUT!		
CUSIP No. 2	228903100 13G Page	e 3 of 1	5 Pages
(1)	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) Oscar S. Schafer &	Partner	s I LP
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP **	(a) (b)	
(3)	SEC USE ONLY		
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware, USA		

NUMBER OF		(5)	SOLE V	OTING PO	OWER		-0-				
SHARES											
BENEFICIALLY		(6)	SHARED	VOTING	POWER		57,489				
OWNED BY											
EACH		(7)	SOLE D	ISPOSIT	IVE POW	ER	-0-				
REPORTING	•										
PERSON WITH		(8)	SHARED	DISPOS	ITIVE P	OWER	57,489				
(9)	 AGG	 REGAT	 TE AMOUN	 NT BENEI	 FICIALL	Y OWNED					
			REPORT				57,489				
(10)			OX IF TH (9) EXC				* *				[]
(11)			OF CLAS		ESENTED		0.2%				
(12)	TYP	 E OF	REPORT:	ING PERS	 SON **		PN				
CUSIP No. 22	890	3100			13G			P	age 4	of 1	5 Pages
	I.R	.s. I	F REPORTION TO THE PERSON	ICATION	NO.		ar S. Sc	chafer	 & Pa	rtner	s II LP
(2)	 CHE	CK TE	HE APPRO	OPRIATE	BOX IF	A MEMBI	ER OF A	GROUP	**	(a) (b)	
(3)	 SEC	USE	ONLY								
(4)	 CIT	IZENS	SHIP OR	_		NIZATIO	N				
NUMBER OF		(5)	SOLE VO	OTING PO	OWER		-0-				
SHARES											
BENEFICIALLY		(6)	SHARED	VOTING	POWER		585,976	5			
OWNED BY											

EACH		(7)	SOLE DI	SPOSITIV	E POWER	-0-			
REPORTING						-0-			
PERSON WITH		(8)	SHARED	DISPOSIT	IVE POWER	585 , 976			
(9)					CIALLY OWN	IED			
	BY	EACH	. REPORTI	ING PERSOI	N	585 , 976			
(10)					ATE AMOUNT				[]
				SS REPRESI					
	ВҮ	AMOU	NT IN RO)W (9)		2.5%			
(12)	TYP	E OF	REPORTI	ING PERSON	// **	PN			
			** SEE	E INSTRUC	TIONS BEFC	PRE FILLING OU	 Т!		
	NAM I.R OF	ES O	F REPORTIDENTIFI	TING PERSO	O. IES ONLY)	O.S.S.	Overse		5 Pages
								. ,	[X]
(3)	SEC	USE	ONLY						
(4)	CIT	'IZEN	SHIP OR	PLACE OF Cayman	ORGANIZAT Islands	CION			
NUMBER OF		(5)	SOLE VO	OTING POW	 ER				
SHARES						-0-			
BENEFICIALL	Y	(6)	SHARED	VOTING PO	OWER	E00 02E			
OWNED BY						588,935			
EACH		(7)	SOLE DI	ISPOSITIV	E POWER	-0-			
REPORTING						-0-			
PERSON WITH		(8)	SHARED	DISPOSIT	IVE POWER	588,935			
(9)				T BENEFICING PERSON	 CIALLY OWN N	IED			

588,935 (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ** ______ (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) (12) TYPE OF REPORTING PERSON ** ** SEE INSTRUCTIONS BEFORE FILLING OUT! CUSIP No. 228903100 13G Page 6 of 15 Pages (1) NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) O.S.S. Advisors LLC _____ (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP ** (a) [X] (b) [] (3) SEC USE ONLY (4) CITIZENSHIP OR PLACE OF ORGANIZATION Delaware, USA NUMBER OF (5) SOLE VOTING POWER -0-SHARES BENEFICIALLY (6) SHARED VOTING POWER 643,465 OWNED BY EACH (7) SOLE DISPOSITIVE POWER -0-REPORTING PERSON WITH (8) SHARED DISPOSITIVE POWER 643,465 (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 643**,**465 (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ** (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

2.8%

(12) TYPE OF REPORTING PERSON **

OO

*** SEE INSTRUCTIONS BEFORE FILLING OUT!

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

Schafer Brothers LLC

(1)	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) Schafer Brothers:											
								Sc	hafer	Bro	the	rs LL(
(2)	CHE	CK I		OPRIATE)UP **	([X]
(3)	SEC	USE										
(4)	CIT	IZEN	ISHIP OR	PLACE (ON					
NUMBER OF		(5)	SOLE V	OTING PO	OWER		-0-					
BENEFICIALLY	Y	(6)	SHARED	VOTING	POWEF	}	1,23	2,400				
EACH		(7)	SOLE D	ISPOSIT	IVE PO	WER	-0-					
REPORTING PERSON WITH		(8)	SHARED	DISPOS	ITIVE	POWER	1,23	2,400				
	BY	EACH	H REPORT	NT BENEI	SON		1,23	2 , 400				
(10)	CHE	CK E ROW	BOX IF T	HE AGGRI	EGATE ERTAIN	AMOUNT						[]
		CENT		SS REPRI			5.3%					
(12)	TYP	E OF	REPORT	ING PER	 SON **	· · · · · · · · · · · · · · · · · · ·	00					
					TORTON	ia peesp		TNG 01				

** SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 22	2890:	3100			13G			Page	8 0	f	15	Pages
(1)	I.R	.s. I	F REPORTIDENTIFI	CATION	NO.	NLY)		Osca	 ar S		 Sch	afer
(2)	CHE	CK TE	HE APPRO	PRIATE	BOX IF	A MEMB	ER OF A GRO	 UP **]	
(3)	SEC	USE	ONLY									
(4)	CIT	IZENS	SHIP OR		OF ORGA d State		N					
NUMBER OF		(5)	SOLE VC	TING P	OWER		-0-					
SHARES BENEFICIALLY OWNED BY	Y	(6)	SHARED	VOTING	POWER		1,232,400					
EACH REPORTING	-	(7)	SOLE DI	SPOSIT	IVE POW	ER	-0-					
PERSON WITH	-	(8)	SHARED	DISPOS	ITIVE P		1,232,400					
(9)			ΓΕ AMOUN REPORTI				1,232,400					
(10)			OX IF TH				* *					[]
(11)			OF CLAS		ESENTED		5.3%					
(12)	TYPI	E OF	REPORTI	NG PER	SON **		IN					
			** SEE	INSTR	UCTIONS	BEFORE	FILLING OU	 Т!				

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ITEM 1.

- (a) NAME OF ISSUER: Cryolife, Inc.
- (b) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

1655 Roberts Boulevard, NW Kennesaw, Georgia 30144

Item 2(a). NAME OF PERSON FILING:

- (i) Oscar S. Schafer & Partners I LP, a Delaware limited partnership ("OSS I"), with respect to shares of Common Stock (as defined in Item 2(d) below) directly owned by it;
- (ii) Oscar S. Schafer & Partners II LP, a Delaware limited partnership ("OSS II", and together with OSS I, the "Partnerships"), with respect to shares of Common Stock as defined in Item 2(d) below) directly owned by it;
- (iii) O.S.S. Advisors LLC, a Delaware limited liability company (the "General Partner"), which serves as the general partner of each of the Partnerships, with respect to shares of Common Stock (as defined in Item 2(d) below) directly owned by each of the Partnerships;
- (iv) O.S.S. Overseas Fund Ltd., a Cayman Islands exempted company
 ("OSS Overseas"), with respect to shares of Common Stock directly
 owned by it;
 - (v) O.S.S. Capital Management LP, a Delaware limited partnership (the "Investment Manager"), which serves as investment manager, and management company, to OSS Overseas and the Partnerships, respectively, and has investment discretion with respect to shares of Common Stock directly owned by OSS Overseas and Partnerships;
- (vi) Schafer Brothers LLC, a Delaware limited liability company (the "SB LLC"), which serves as the general partner to the Investment Manager, with respect to shares of Common Stock directly owned by OSS Overseas and the Partnerships; and
- (vii) Mr. Oscar S. Schafer ("Mr. Schafer"), who serves as the senior managing member of the General Partner and of SB LLC, with respect to shares of Common Stock directly owned by OSS Overseas and the Partnerships.

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The Partnerships, OSS Overseas, the General Partner, the Investment Manager, SB LLC and Mr. Schafer are hereinafter sometimes collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party.

ITEM 2(b) ADDRESS OF PRINCIPAL OFFICE, OR, IF NONE, RESIDENCE

The address of the principal business offices of each of:

- (i) Investment Manager
 598 Madison Avenue
 New York, NY 10022
- (ii) OSS I

598 Madison Avenue New York, NY 10022 (iii) OSS II 598 Madison Avenue New York, NY 10022 (iv) OSS Overseas SEI Investments Global (Cayman) Limited Harbor Place, 5th Floor South Church Street, P.O. Box 30464 SMB Grand Cayman, Cayman Islands British West Indies (V) General Partner 598 Madison Avenue New York, NY 10022 SB LLC (vi) 598 Madison Avenue New York, NY 10022 (vii) Mr. Schafer 598 Madison Avenue New York, NY 10022 CITIZENSHIP (i) Investment Manager - Delaware, USA (ii) OSS I - Delaware, USA (iii) OSS II - Delaware, USA (iv) OSS Overseas - Cayman Islands (v) General Partner - Delaware, USA (vi) SB LLC - Delaware, USA (vii) Mr. Schafer - New York, USA TITLE OF CLASS OF SECURITIES Common Stock, par value \$0.01 per share CUSTP NUMBER 228903100 13G Page 11 of 15 Pages Item 3. If this statement is filed pursuant to Rules 13d-1(b) or 13d-2(b) or

(C)

(d)

(e)

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(c), check whether the person filing is a:

- (a) [] Broker or dealer registered under Section 15 of the Act,
- (b) [] Bank as defined in Section 3(a)(6) of the Act,
- (c) [] Insurance Company as defined in Section 3(a)(19) of the Act,
- (d) [] Investment Company registered under Section 8 of the Investment Company Act of 1940,
- (e) [] Investment Adviser in accordance with Rule 13d-1 (b) (1) (ii) (E),
- (f) [] Employee Benefit Plan or Endowment Fund in accordance with 13d-1 (b) (1) (ii) (F),

- (g) [] Parent Holding Company or control person in accordance with Rule 13d-1 (b) (1) (ii) (G),
- (h) [] Savings Association as defined in Section 3(b) of the Federal Deposit Insurance Act,
- (i) [] Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940,
- (j) [] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

Not applicable.

ITEM 4. OWNERSHIP.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- A. Investment Manager
 - (a) Amount beneficially owned: 1,232,400
- (b) Percent of class: 5.3% The percentages used herein and in the rest of Item 4 are calculated based upon the 23,332,773 shares of Common Stock issued and outstanding as of October 29, 2004 as reported in the Company's Form 10-Q for the quarter period ended September 30, 2004.
 - (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 1,232,400
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 1,232,400

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- B. OSS I
 - (a) Amount beneficially owned: 57,489
 - (b) Percent of class: 0.2%
 - (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 57,489
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 57,489
- C. OSS II
 - (a) Amount beneficially owned: 585,976
 - (b) Percent of class: 2.5%
 - (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 585,976
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 585,976
- D. OSS Overseas
 - (a) Amount beneficially owned: 588,935
 - (b) Percent of class: 2.5%
 - (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 588,935

- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 588,935

E. General Partner

- (a) Amount beneficially owned: 643,465
- (b) Percent of class: 2.8%
- (c) (i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 643,465
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 643,465

F. SB LLC

- (a) Amount beneficially owned: 1,232,400
- (b) Percent of class: 5.3%
- (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 1,232,400
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 1,232,400

G. Mr. Schafer

- (a) Amount beneficially owned: 1,232,400
- (b) Percent of class: 5.3%
- (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 1,232,400
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 1,232,400

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The Investment Manager, the General Partner, SB LLC and Mr. Schafer expressly declare that this filing shall not be construed as an admission that each is, for the purposes of sections 13(d) or 13(g) of the Act, the beneficial owner of any securities covered by this filing.

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

The (i) limited partners and the general partner of the Partnership and (ii) the shareholders and advisor of OSS Overseas have the right to participate in the receipt of dividends from, or proceeds from the sale of, the securities held for the Partnerships and OSS Overseas, respectively.

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

See Item 2.

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.

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.

January 18, 2005

Date
/s/ Oscar S. Schafer

Signature

Oscar S. Schafer, Managing Partner
----Name/Title

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See ss.240.13d-7 for other parties for whom copies are to be sent.

ATTENTION: INTENTIONAL MISSTATEMENTS OR OMISSIONS OF FACT CONSTITUTE FEDERAL CRIMINAL VIOLATIONS (SEE 18 U.S.C. 1001)

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EXHIBIT 1

JOINT ACQUISITION STATEMENT PURSUANT TO RULE 13d-1(k)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G, is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G, shall be filed on behalf of each of the undersigned without the necessity of filing additional joint acquisition statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to believe that such information is inaccurate.

DATED: January 18, 2005

/s/ Oscar S. Schafer

- (i) Oscar S. Schafer & Partners I LP;and
- (ii)Oscar S. Schafer & Partners II
 LP; and(
- (b) Schafer Brothers LLC, for itself and as the general partner of O.S.S. Capital Management LP