UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

	MediciNova, Inc.				
	Name of Issuer				
	Common Stock, par value \$0.001				
	(Title of Class of Securities)				
	58468P206				
	(CUSIP Number)				
	December 18, 2009				
	(Date of Event Which Requires Filing of this Statement)				
Check the ap	propriate box to designate the rule pursuant to which this Schedule 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.					
ourpose of So	tion required in the remainder of this cover page shall not be deemed to be ection 18 of the Securities Exchange Act of 1934 or otherwise subject to the Act but shall be subject to all other provisions of the Act (however, see the	e liabilitie			
1	NAMES OF REPORTING PERSONS:				
	Southpaw Asset 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				

	MBER OF	5	SOLE VOTING POWER	0		
BENE	HARES EFICIALLY	6	SHARED VOTING POWER	934,525		
OWNED BY EACH		7	SOLE DISPOSITIVE POWER	0		
	REPORTING PERSON WITH		SHARED DISPOSITIVE POWER	934,525		
9	AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON:					
	934,5	525				
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES [] CERTAIN SHARES:					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	7.2%					
12	TYPE OF REP	ORTING PI	ERSON:			
	PN					
	NAMES OF D	SPORTRIC	DEDGOVG			
1	NAMES OF RI		PERSONS:			
	Southpaw Holo	dings LLC				
2	CHECK THE A	APPROPRIA	ATE BOX IF A MEMBER OF A GROUP	(a) [_] (b) [_]		
3	SEC USE ONL	Y				
4	CITIZENSHIP	OR PLACE	E OF ORGANIZATION:			
	Delaware					
	MBER OF HARES	5	SOLE VOTING POWER	0		
BENE	EFICIALLY NED BY	6	SHARED VOTING POWER	934,525		
]	EACH PORTING	7	SOLE DISPOSITIVE POWER	0		
PERS	SON WITH	8	SHARED DISPOSITIVE POWER	934,525		
9	AGGREGATE PERSON:	AMOUNT	BENEFICALLY OWNED BY EACH REPORT	TING		
	934,5	525				
10	CHECK IF TH	E AGGREC	GATE AMOUNT IN ROW (9) EXCLUDES			

11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	7.2%					
12	TYPE OF REPOR	RTING PE	RSON:			
	00					
1	NAMES OF REPORTING PERSONS:					
	Southpaw Credit	Opportun	ity Master Fund LP			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b)					
3	SEC USE ONLY					
4	CITIZENSHIP O	R PLACE	OF ORGANIZATION:			
	Cayman Islands					
NUN	MBER OF	5	SOLE VOTING POWER		0	
SI BENE	HARES EFICIALLY	6	SHARED VOTING POWER		853,272	
]	NED BY EACH PORTING	7	SOLE DISPOSITIVE POWER		0	
	SON WITH	8	SHARED DISPOSITIVE POWER		853,272	
9	AGGREGATE A PERSON:	MOUNT E	BENEFICALLY OWNED BY EACH REPORT	ING		
	853,272	2				
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES [_] CERTAIN SHARES:					
11	PERCENT OF C	LASS REP	PRESENTED BY AMOUNT IN ROW (9)			
	6.6%					
12	TYPE OF REPOR	RTING PE	RSON:			
	PN					
1	NAMES OF REP	ORTING I	PERSONS:			
	Kevin Wyman					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)					

				(b)				
3	SEC USE ONLY	Y						
4	CITIZENSHIP (OR PLACE	OF ORGANIZATION:					
	United States							
	BER OF	5	SOLE VOTING POWER		0			
BENEI	ARES FICIALLY	6	SHARED VOTING POWER		934,525			
E	NED BY ACH ORTING	7	SOLE DISPOSITIVE POWER		0			
	ON WITH	8	SHARED DISPOSITIVE POWER		934,525			
	9 AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON:							
	934,52	25						
	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES [_] CERTAIN SHARES:							
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)							
	7.2%							
12	TYPE OF REPORTING PERSON:							
	IN							
1	1 NAMES OF REPORTING PERSONS:							
	Howard Golden							
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [_] (b) [_]							
3	SEC USE ONLY	Y						
4	CITIZENSHIP (OR PLACE	OF ORGANIZATION:					
	United States							
	BER OF	5	SOLE VOTING POWER		0			
BENEI	ARES FICIALLY NED BY	6	SHARED VOTING POWER		934,525			
E	ACH ORTING	7	SOLE DISPOSITIVE POWER		0			
	ON WITH	8	SHARED DISPOSITIVE POWER		934,525			

9 AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON:

934,525

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

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

7.2%

12 TYPE OF REPORTING PERSON:

ΙN

ITEM 1(a) NAME OF ISSUER:

MediciNova, Inc. (the "Issuer")

ITEM 1(b) ADDRESS OF ISSUER'S PRINICIPAL EXECUTIVE OFFICES:

> 4350 La Jolla Village Drive, Suite 950 San Diego, California 92122

ITEM 2(a) NAME OF PERSON FILING:

> This statement is filed on behalf of the following persons (collectively, the "Reporting Persons"):

- (i) Southpaw Asset Management LP ("Southpaw Management")
- (ii) Southpaw Credit Opportunity Master Fund LP
- (iii) Southpaw Holdings LLC ("Southpaw Holdings")
- (iv) Kevin Wyman
- (v) Howard Golden

This statement relates to securities held for the account of (i) Southpaw Credit Opportunity Master Fund LP, a Cayman Islands limited partnership (the "Fund"), which owns \$5,802,253.48 in principal amount of the Floating Rate Secured Convertible Notes due 2011 of the Issuer ("Convertible Notes"), (ii) a separate managed account managed by Southpaw Management (the "Managed Account 1"), which owns \$408,007.81 in principal amount of Convertible Notes, and (iii) another separate managed account managed by Southpaw Management (the "Managed Account 2"; and together with the Managed Account 1, the "Managed Accounts"), which owns \$144,511.45 in principal amount of Convertible Notes. Southpaw Management is the investment manager of the Fund and the Managed Accounts, and, in such capacities, may be deemed to beneficially own the Convertible Notes reported herein which are deemed beneficially owned by the Fund and the Managed Accounts. Southpaw Holdings serves as the general partner of Southpaw Management, and, in such capacity, may be deemed to beneficially own the Convertible Notes reported herein which may be deemed beneficially owned by Southpaw Management. Mr. Wyman and Mr. Golden are principals of Southpaw Holdings and managers of Southpaw Management, and, in such capacities, may be deemed to beneficially own the Convertible Notes reported herein which may be deemed beneficially owned by Southpaw Management.

Four Greenwich Office Park Greenwich, CT 06831

ITEM 2(c) CITIZENSHIP:

- (i) Southpaw Asset Management LP is a limited partnership organized under the laws of Delaware.
- (ii) Southpaw Credit Opportunity Master Fund LP is a limited partnership organized under the laws of the Cayman Islands.
- (iii) Southpaw Holdings LLC is a limited liability company organized under the laws of Delaware
- (iv) Kevin Wyman is an individual having citizenship in the United States.
- (v) Howard Golden is an individual having citizenship in the United States.

ITEM 2(d) TITLE OF CLASS OF SECURITIES: Common Stock

ITEM 2(e) CUSIP NUMBER: 58468P206

ITEM 3 IF THIS STATEMENT IS FILED PURSUANT TO §§ 240.13d-1(b) OR 240.13d-2(b) OR (c), CHECK WHETHER THE FILING PERSON IS:

Not applicable.

ITEM 4 OWNERSHIP:

The Fund owns \$5,802,253.48 in principal amount of the Convertible Notes. Managed Account 1 owns \$408,007.81 in principal amount of Convertible Notes. Managed Account 2 owns \$144,511.45 in principal amount of Convertible Notes. Southpaw Management is the investment manager of the Fund and the Managed Accounts, and, in such capacities, may be deemed to beneficially own the Convertible Notes reported herein which are deemed beneficially owned by the Fund and the Managed Accounts. Southpaw Holdings serves as the general partner of Southpaw Management, and, in such capacity, may be deemed to beneficially own the Convertible Notes reported herein which may be deemed beneficially owned by Southpaw Management. Mr. Wyman and Mr. Golden are principals of Southpaw Holdings and managers of Southpaw Management, and, in such capacities, may be deemed to beneficially own the Convertible Notes reported herein which may be deemed beneficially owned by Southpaw Management.

Note that references to principal amounts of the Convertible Notes and percentage ownerships of common stock in this Schedule 13G are based upon (i) the number of shares of common stock of Avigen, Inc. ("Avigen") beneficially owned by the Reporting Persons immediately prior to Avigen's merger with a subsidiary of the Issuer, (ii) the principal amount of Convertible Notes to be received by the Reporting Persons for each share of Avigen common stock held by the Reporting Persons (i.e., \$35,461,000 divided by 29,852,115), as reported in the Issuer's current report on Form 8-K filed on December 22, 2009 (the "December 22 Form 8-K"), (iii) the 12,103,969 shares of common stock outstanding as reported in the Issuer's quarterly report on Form 10-Q for the quarter ended September 30, 2009 filed on November 12, 2009, and (iv) the conversion rate of 1 share of common stock per \$6.80 principal amount of Convertible Notes as reported in the December 22 Form 8-K.

- $(i)\,For\,Southpaw\,Asset\,Management\,LP:$
 - (a) Amount beneficially owned: 934,525
 - (b) Percent of class: 7.2%
 - (c) Number of shares as to which the person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 934,525

(iii) Sole power to dispose or direct the disposition of: 0
(iv) Shared power to dispose or direct the disposition of: 934,525
ii) For Southpaw Holdings LLC:
(a) Amount beneficially owned: 934,525
(b) Percent of class: 7.2%
(c) Number of shares as to which the person has:
(i) Sole power to vote or direct the vote: 0
(ii) Shared power to vote or direct the vote: 934,525
(iii) Sole power to dispose or direct the disposition of: 0
(iv) Shared power to dispose or direct the disposition of: 934,525
iii) For Southpaw Credit Opportunity Master Fund LP:
(a) Amount beneficially owned: 853,272
(b) Percent of class: 6.6%
(c) Number of shares as to which the person has:
(i) Sole power to vote or direct the vote: 0
(ii) Shared power to vote or direct the vote: 853,272
(iii) Sole power to dispose or direct the disposition of: 0
(iv) Shared power to dispose or direct the disposition of: 853,272
iv) For Kevin Wyman:
(a) Amount beneficially owned: 934,525
(b) Percent of class: 7.2%
(c) Number of shares as to which the person has:
(i) Sole power to vote or direct the vote: 0
(ii) Shared power to vote or direct the vote: 934,525
(iii) Sole power to dispose or direct the disposition of: 0
(iv) Shared power to dispose or direct the disposition of: 934,525
v) For Howard Golden:
(a) Amount beneficially owned: 934,525
(b) Percent of class: 7.2%

- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 934,525
 - (iii) Sole power to dispose or direct the disposition of: 0
 - (iv) Shared power to dispose or direct the disposition of: 934,525
- 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 AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED

THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY OR

CONTROL PERSON.

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 CERTIFICATIONS.

By signing below each of the Reporting Persons certifies that, to the best of such person's 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.

December 24, 2009

Southpaw Credit Opportunity Master Fund LP

By: Southpaw GP LLC, its general partner

By: /s/ Kevin Wyman Name: Kevin Wyman Title: Managing Member

Southpaw Asset Management LP

By: Southpaw Holdings LLC, its general partner

By: /s/ Kevin Wyman Name: Kevin Wyman Title: Managing Member

Southpaw Holdings, LLC

By: /s/ Kevin Wyman Name: Kevin Wyman Title: Managing Member

/s/ Kevin Wyman Kevin Wyman

/s/ Howard Golden Howard Golden

EXHIBIT INDEX

Exhibit Number Exhibit

 Joint Filing Agreement, dated December 24, 2009, by and among the Reporting Persons.

EXHIBIT 1 - JOINT FILING AGREEMENT

The undersigned hereby agree that the Schedule 13G with respect to the shares of common stock of MediciNova, Inc., dated as of December 24, 2009, is, and any amendments thereto (including amendments on Schedule 13D) signed by each of the undersigned shall be, filed on behalf of each of the undersigned pursuant to and in accordance with the provisions of Rule 13d-1(k) under the Securities Exchange Act of 1934.

Date: December 24, 2009

Southpaw Credit Opportunity Master Fund LP

By: Southpaw GP LLC, its general partner

By: /s/ Kevin Wyman Name: Kevin Wyman Title: Managing Member

Southpaw Asset Management LP

By: Southpaw Holdings LLC, its general partner

By: /s/ Kevin Wyman Name: Kevin Wyman Title: Managing Member

Southpaw Holdings, LLC

By: /s/ Kevin Wyman Name: Kevin Wyman Title: Managing Member

/s/ Kevin Wyman Kevin Wyman

/s/ Howard Golden Howard Golden