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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 5)*

	Surm	odics, Inc.
	(Name of Is	ssuer)
	Common Stock	., \$0.05 par value
	(Title of Class of	Rule 13d-1(b) Rule 13d-1(c) Rule 13d-1(d) ainder of this cover page shall be filled out for a reporting person's filing on this form with respect to the subject class of securities, any subsequent amendment containing information which would alter closures provided in a prior cover page. rmation required in the remainder of this cover page shall not be obe "filed" for the purpose of Section 18 of the Securities Exchange 934 ("Act") or otherwise subject to the liabilities of that section ot but shall be subject to all other provisions of the Act (however, Notes).
	8688	373100
	(Date of Event Which Require	es Filing of this Statement)
	ck the appropriate box to designate the redule is filed:	(Name of Issuer) Common Stock, \$0.05 par value (Title of Class of Securities) 868873100 (CUSIF Number) December 31, 2020 (Date of Event Which Requires Filing of this Statement) Perpropriate box to designate the rule pursuant to which this filed: 13d-1(b) 12e 13d-1(c) 13e 13d-1(d) 13er of this cover page shall be filled out for a reporting person's ing on this form with respect to the subject class of securities, subsequent amendment containing information which would alter nurse provided in a prior cover page. 15ion required in the remainder of this cover page shall not be "filed" for the purpose of Section 18 of the Securities Exchange ("Act") or otherwise subject to the liabilities of that section nut shall be subject to all other provisions of the Act (however, 18). 168873100 13G Page 2 of 8 Pages OF REPORTING PERSONS. 1. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only). 15sance Technologies LLC 26-0385758 HE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS): 1 ONLY 1 ON
	[X] Rule 13d-1(b)	
	[_] Rule 13d-1(c)	
	[_] Rule 13d-1(d)	
ini and	tial filing on this form with respect to	the subject class of securities, information which would alter
of t see ====	the Act but shall be subject to all other the Notes).	provisions of the Act (however,
CUSI		
(1)	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE F	PERSONS (entities only).
	Renaissance Technologies LLC 26-0	1385758
(2)	(a) [_] (b) [_]	
(3)	SEC USE ONLY	
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Delaware	
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	835,300
		(6) SHARED VOTING POWER
		0
		(7) SOLE DISPOSITIVE POWER
		885,838

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6.47 %

(12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

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Item 1.

(a) Name of Issuer

Surmodics, Inc.

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

9924 West 74th Street, Eden Prairie, Minnesota 55344

Item 2.

(a) Name of Person Filing:

This Schedule 13G is being filed by Renaissance Technologies LLC ("RTC") and Renaissance Technologies Holdings Corporation ("RTHC").

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

Common Stock, \$0.05 par value

(e) CUSIP Number.

868873100

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- Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13-d-2(b) or (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.

- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b)(1)(ii)(E).
- (f) $[\]$ Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1(b)(1)(ii)(F).
- (g) [_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h) $[_]$ A savings associations 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 of 1940.
- (j) [] Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

(a) Amount beneficially owned.

RTC: 885,838

shares shares, comprising the shares beneficially owned RTHC: 885**,**838 by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 6.47 % RTHC: 6.47 %

- (c) Number of shares as to which the person has:
 - (i) sole power to vote or to direct the vote:

RTC: 835,300 RTHC: 835,300

)

(iii) sole power to dispose or to direct the disposition of:

RTC: 885,838 RTHC: 885,838

(iv) Shared power to dispose or to direct the disposition of:

RTC: 0 RTHC: 0

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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.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

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 a 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 acquired and are held in the ordinary course of business and 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.

Date: February 11, 2021

Renaissance Technologies LLC

By: /s/ James S. Rowen
Chief Operating Officer

By: /s/ James S. Rowen
Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).

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EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of Common Stock, \$0.05 par value of Surmodics, Inc.

Date: February 11, 2021

Renaissance Technologies LLC

By: /s/ James S. Rowen
Chief Operating Officer

Renaissance Technologies Holdings Corporation

By: /s/ James S. Rowen
Vice President

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