

**bluebird bio, Inc. - Distribution****DESCRIPTION:**

bluebird bio, Inc. (BLUE) has announced a distribution of (New) 2seventy bio, Inc. (TSVT) Common Shares. The distribution ratio is approximately 0.333333 of a TSVT share for each BLUE share held. The record date is October 19, 2021; the payable date is November 4, 2021. The NASDAQ has set November 5, 2021, as the ex-distribution date for this distribution.

2seventy bio, Inc. Common Shares began trading on a when issued basis on October 18, 2021 on the NASDAQ under the trading symbol "TSVTV".

Contract Adjustments:

Pursuant to the By-Laws of the Options Clearing Corporation ("OCC"), the below options will be adjusted as follows.

Adjustment Date: November 5, 2021

Option Symbol: BLUE becomes BLUE1

Underlying Security: BLUE remains BLUE

CUSIP: 09609G100, 901384107

Contract Multiplier: 1

Strike Divisor: 1

New Multiplier: 100

Settlement Allocation: TBD, TBD

New Deliverable: 100 bluebird bio, Inc. (BLUE) Common Shares
33 (New) 2seventy bio, Inc. (TSVT) Common Shares
Cash in lieu of approximately 0.3333 fractional TSVT Common Shares

Pricing Considerations: Until the cash in lieu amount is determined, the underlying price for BLUE1 will be determined as follows:

$$\text{BLUE1} = \text{BLUE} + 0.333333 (\text{TSVT})$$

Additional Exchange Info: Any resting orders in the above options in the BOX order book will be cancelled by the BOX Market Operations Center after the close today November 4th, 2021.

Old Option Symbol	Old PutCall Code	Old Strike Price	Old Contract Date	New Option Symbol	New PutCall Code	New Strike Price	New Contract Date
BLUE	C/P	2.50	11/19/2021	BLUE1	C/P	2.50	11/19/2021
BLUE	C/P	5.00	11/19/2021	BLUE1	C/P	5.00	11/19/2021
BLUE	C/P	7.50	11/19/2021	BLUE1	C/P	7.50	11/19/2021
BLUE	C/P	10.00	11/19/2021	BLUE1	C/P	10.00	11/19/2021
BLUE	C/P	12.50	11/19/2021	BLUE1	C/P	12.50	11/19/2021
BLUE	C/P	15.00	11/19/2021	BLUE1	C/P	15.00	11/19/2021
BLUE	C/P	17.50	11/19/2021	BLUE1	C/P	17.50	11/19/2021
BLUE	C/P	20.00	11/19/2021	BLUE1	C/P	20.00	11/19/2021
BLUE	C/P	22.50	11/19/2021	BLUE1	C/P	22.50	11/19/2021

Old Option Symbol	Old PutCall Code	Old Strike Price	Old Contract Date	New Option Symbol	New PutCall Code	New Strike Price	New Contract Date
BLUE	C/P	25.00	11/19/2021	BLUE1	C/P	25.00	11/19/2021
BLUE	C/P	30.00	11/19/2021	BLUE1	C/P	30.00	11/19/2021
BLUE	C/P	35.00	11/19/2021	BLUE1	C/P	35.00	11/19/2021
BLUE	C/P	40.00	11/19/2021	BLUE1	C/P	40.00	11/19/2021
BLUE	C/P	45.00	11/19/2021	BLUE1	C/P	45.00	11/19/2021
BLUE	C/P	50.00	11/19/2021	BLUE1	C/P	50.00	11/19/2021
BLUE	C/P	10.00	12/17/2021	BLUE1	C/P	10.00	12/17/2021
BLUE	C/P	12.50	12/17/2021	BLUE1	C/P	12.50	12/17/2021
BLUE	C/P	15.00	12/17/2021	BLUE1	C/P	15.00	12/17/2021
BLUE	C/P	17.50	12/17/2021	BLUE1	C/P	17.50	12/17/2021
BLUE	C/P	20.00	12/17/2021	BLUE1	C/P	20.00	12/17/2021
BLUE	C/P	22.50	12/17/2021	BLUE1	C/P	22.50	12/17/2021
BLUE	C/P	25.00	12/17/2021	BLUE1	C/P	25.00	12/17/2021
BLUE	C/P	30.00	12/17/2021	BLUE1	C/P	30.00	12/17/2021
BLUE	C/P	2.50	01/21/2022	BLUE1	C/P	2.50	01/21/2022
BLUE	C/P	5.00	01/21/2022	BLUE1	C/P	5.00	01/21/2022
BLUE	C/P	7.50	01/21/2022	BLUE1	C/P	7.50	01/21/2022
BLUE	C/P	10.00	01/21/2022	BLUE1	C/P	10.00	01/21/2022
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BLUE	C/P	25.00	01/21/2022	BLUE1	C/P	25.00	01/21/2022
BLUE	C/P	30.00	01/21/2022	BLUE1	C/P	30.00	01/21/2022
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BLUE	C/P	40.00	01/21/2022	BLUE1	C/P	40.00	01/21/2022
BLUE	C/P	45.00	01/21/2022	BLUE1	C/P	45.00	01/21/2022
BLUE	C/P	50.00	01/21/2022	BLUE1	C/P	50.00	01/21/2022
BLUE	C/P	55.00	01/21/2022	BLUE1	C/P	55.00	01/21/2022
BLUE	C/P	60.00	01/21/2022	BLUE1	C/P	60.00	01/21/2022
BLUE	C/P	65.00	01/21/2022	BLUE1	C/P	65.00	01/21/2022
BLUE	C/P	70.00	01/21/2022	BLUE1	C/P	70.00	01/21/2022
BLUE	C/P	75.00	01/21/2022	BLUE1	C/P	75.00	01/21/2022
BLUE	C/P	80.00	01/21/2022	BLUE1	C/P	80.00	01/21/2022
BLUE	C/P	85.00	01/21/2022	BLUE1	C/P	85.00	01/21/2022
BLUE	C/P	2.50	02/18/2022	BLUE1	C/P	2.50	02/18/2022
BLUE	C/P	5.00	02/18/2022	BLUE1	C/P	5.00	02/18/2022
BLUE	C/P	7.50	02/18/2022	BLUE1	C/P	7.50	02/18/2022
BLUE	C/P	10.00	02/18/2022	BLUE1	C/P	10.00	02/18/2022
BLUE	C/P	12.50	02/18/2022	BLUE1	C/P	12.50	02/18/2022
BLUE	C/P	15.00	02/18/2022	BLUE1	C/P	15.00	02/18/2022
BLUE	C/P	17.50	02/18/2022	BLUE1	C/P	17.50	02/18/2022
BLUE	C/P	20.00	02/18/2022	BLUE1	C/P	20.00	02/18/2022
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BLUE	C/P	2.50	05/20/2022	BLUE1	C/P	2.50	05/20/2022
BLUE	C/P	5.00	05/20/2022	BLUE1	C/P	5.00	05/20/2022
BLUE	C/P	7.50	05/20/2022	BLUE1	C/P	7.50	05/20/2022
BLUE	C/P	10.00	05/20/2022	BLUE1	C/P	10.00	05/20/2022
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BLUE	C/P	25.00	01/19/2024	BLUE1	C/P	25.00	01/19/2024
BLUE	C/P	30.00	01/19/2024	BLUE1	C/P	30.00	01/19/2024
BLUE	C/P	35.00	01/19/2024	BLUE1	C/P	35.00	01/19/2024

Disclaimer: This Information Memo summarizes corporate events affecting listed options. No warranty of accuracy or completeness is given with respect to the summary. Option series information is based on series existing at OCC at the time this Memo was generated.

Contact Information: Questions regarding this memo can be addressed to the BOX Market Operations Center at 617-235-2291 or toll free at 1-866-768-8845 or emailed to boxmoc@boxoptions.com.