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

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of November 2020 (No. 3)

Commission File Number 001-37846

CELLECT BIOTECHNOLOGY LTD. (Translation of registrant's name into English)

23 Hata'as Street Kfar Saba, Israel 44425

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.						
Form 20-F ⊠ Form 40-F □						
Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):						
Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):						

On November 20, 2020, Cellect Biotechnology Ltd. (the "Company") issued a press release entitled "Cellect Biotechnology Reports Third Quarter Financial and Operating Results; Recent Developments Position Company to Accelerate Progress in 2021."

The text appearing under the heading "Third Quarter 2020 Financial Results" and the accompanying financial statements included in Exhibit 99.1 to this Form 6-K are hereby incorporated by reference into the Registrant's Registration Statements on Form S-8 (Registration Nos. 333-214817, 333-220015, 333-225003 and 333-232230) and on Form F-3 (Registration Nos. 333-219614 and 333-229083).

Exhibit No. Description

99.1

<u>Cellect Biotechnology Reports Third Quarter Financial and Operating Results; Recent Developments Position Company to Accelerate Progress in 2021</u>

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: November 20, 2020 CELLECT BIOTECHNOLOGY, LTD.

By: /s/ Eyal Leibovitz

Eyal Leibovitz Chief Financial Officer



Cellect Biotechnology Reports Third Quarter Financial and Operating Results; Recent Developments Position Company to Accelerate Progress in 2021

Promising Progress on Clinical Development Progress, Collaborations and Partnering

Mutually Ended Discussion on Medical Cannabis Commercial and Merger Agreements

Tel Aviv, Israel -November 20, 2020 – Cellect Biotechnology Ltd. (NASDAQ: APOP), a developer of innovative technology which enables the functional selection of stem cells, today reported financial and operating results for the third quarter ended September 30, 2020. Subsequent to the end of the third quarter, the Company announced several other key achievements subsequent to the end of the third quarter that position it for continued success in 2021, including clinical and operational objectives:

- · Initiated its clinical trial in the U.S. The trial is being performed at Washington University School of Medicine in St. Louis, Missouri, which is among the leading medical centers in the U.S. The Principal Investigator for the clinical trial is Zhifu Xiang, M.D., of Washington University. He is an Associate Professor in the Division of Oncology's Bone Marrow Transplantation & Leukemia Section in the Department of Medicine. John Dipersio M.D., Ph.D., will act as co-Principal Investigator for the study. He is the chief of the Division of Oncology in the Department of Medicine at Washington University.
- Entered into a collaborative agreement with the Swedish XNK Therapeutics, enabling it to leverage Cellect's technology in Natural Killer cell therapies. XNK is a clinical stage Swedish company working with the Karolinska Institute.

"In spite of the COVID-19 challenges we expedited our clinical and business development activities as we successfully achieved several objectives," commented Dr. Shai Yarkoni, Chief Executive Officer. "Specifically, we recently initiated our U.S. clinical trial and entered into a partnership with a clinical stage biotech company that will leverage our functional cell selection technology. I believe these results reflect our steadfast determination and success progressing our clinical trials, which also includes the trial in Israel, combined with the latest collaboration agreement with XNK Therapeutics gives us multiple shots on goal to maximize shareholder value. We believe, based on our internal evaluation and assessment, that each of these opportunities could potentially represent significant revenue streams in the coming years."

Separately, Cellect and Canndoc Ltd. have mutually agreed to end previously announced commercial and merger discussions. The Company will continue to pursue a partner that can bring value to its shareholders and progress the development of the Company's platform technology.

The Company's cash and cash equivalents totaled \$6.07 million as of September 30, 2020. The Company will use its resources to progress clinical and business development efforts to advance its functional cell selection technology. The Company has sufficient funds to operate in the next 15 months. Reference is made to Note 1. C (Going Concern) in the Interim Consolidated Financial Statements as of June 30th, 2020, which were filed as an exhibit to a Form 6-K dated August 12, 2020.



Third Quarter 2020 Financial Results:

- Research and development (R&D) expenses for the third quarter of 2020 were \$0.37 million, compared to \$0.72 million in the third quarter of 2019. The decrease in the R&D expenses is primarily due to decrease in clinical activities as a result of the COVID-19.
- · General and administrative (G&A) expenses for the third quarter of 2020 were \$0.36 million compared to \$0.80 million in the third quarter of 2019. The decrease in G&A expenses was primarily due to the decrease in professional expenses.
- Finance income for the third quarter of 2020 were \$0.26 million, compared to finance income of \$0.12 million in the third quarter of 2019. The change was primarily due to changes related to the fair value of the tradable and non-tradable warrants issued in a prior fundraising.
- · Net loss for the third quarter of 2020 was \$0.47 million, or \$0.001 per share compared to \$1.40 million, or \$0.006 per share in the third quarter of 2019.
- * For the convenience of the reader, the amounts above have been translated from NIS into U.S. dollars, at the representative rate of exchange on September 30, 2020 (U.S. \$1 = NIS 3.441).

About Cellect Biotechnology Ltd.

Cellect Biotechnology (APOP) has developed a breakthrough technology, for the selection of stem cells from any given tissue, that aims to improve a variety of cell based therapies.

The Company's technology is expected to provide researchers, clinical community, and pharma companies with the tools to rapidly isolate specific cells in quantity and quality allowing cell-based treatments and procedures in a wide variety of applications in regenerative medicine. The Company's current clinical trial is aimed at bone marrow transplantations in cancer treatment.



Forward Looking Statements

This press release contains forward-looking statements about the Company's expectations, beliefs and intentions. Forward-looking statements can be identified by the use of forward-looking words such as "believe", "expect", "intend", "plan", "may", "should", "could", "might", "seek", "target", "will", "project", "forecast", "continue" or "anticipate" or their negatives or variations of these words or other comparable words or by the fact that these statements do not relate strictly to historical matters. For example, forward-looking statements are used in this press release when we discuss Cellect's expectations regarding timing of the commencement of its planned U.S. clinical trial and its plan to reduce operating costs. These forward-looking statements and their implications are based on the current expectations of the management of the Company only and are subject to a number of factors and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. In addition, historical results or conclusions from scientific research and clinical studies do not guarantee that future results would suggest similar conclusions or that historical results referred to herein would be interpreted similarly in light of additional research or otherwise. The following factors, among others, could cause actual results to differ materially from those described in the forward-looking statements: the Company's history of losses and needs for additional capital to fund its operations and its inability to obtain additional capital on acceptable terms, or at all; the Company's ability to continue as a going concern; uncertainties of cash flows and inability to meet working capital needs; the Company's ability to obtain regulatory approvals; the Company's ability to obtain favorable preclinical and clinical trial results; the Company's technology may not be validated and its methods may not be accepted by the scientific community; difficulties enrolling patients in the Company's clinical trials; the ability to timely source adequate supply of FasL; risks resulting from unforeseen side effects; the Company's ability to establish and maintain strategic partnerships and other corporate collaborations; the scope of protection the Company is able to establish and maintain for intellectual property rights and its ability to operate its business without infringing the intellectual property rights of others; competitive companies, technologies and the Company's industry; unforeseen scientific difficulties may develop with the Company's technology; the Company's ability to retain or attract key employees whose knowledge is essential to the development of its products; and the Company's ability to pursue any strategic transaction or that any transaction, if pursued, will be completed. Any forward-looking statement in this press release speaks only as of the date of this press release. The Company undertakes no obligation to publicly update or review any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by any applicable securities laws. More detailed information about the risks and uncertainties affecting the Company is contained under the heading "Risk Factors" in Cellect Biotechnology Ltd.'s Annual Report on Form 20-F for the fiscal year ended December 31, 2019 filed with the U.S. Securities and Exchange Commission, or SEC, which is available on the SEC's website, www.sec.gov, and in the Company's periodic filings with the SEC.

Contact

Cellect Biotechnology Ltd. Eyal Leibovitz, Chief Financial Officer www.cellect.co +972-9-974-1444

Or

EVC Group LLC Michael Polyviou (732) 933-2754 mpolyviou@evcgroup.com



Cellect Biotechnology Ltd Consolidated Statement of Operation

Convenience translation Nine months ended

	ended September 30, 2020	Nine months ended September 30,		Three months ended September 30,			
		2020	2019	2020	2019		
	Unaudited Unaudited						
	U.S. dollars	U.S. dollars (In thousands, except share and per share data)					
Research and development expenses	1,218	4,190	9,551	1,289	2,465		
General and administrative expenses	1,727	5,944	7,832	1,241	2,768		
Operating loss	2,945	10,134	17,383	2,530	5,233		
Financial expenses (income) due to warrants exercisable into shares	790	2,717	(8,020)	(1,090)	(910)		
Other financial expenses, net	40	138	1,369	193	489		
Total comprehensive loss	3,775	12,989	10,732	1,633	4,812		
Loss per share:							
Basic and diluted loss per share	0.010	0.036	0.051	0.004	0.021		
Weighted average number of shares outstanding used to compute basic and diluted loss per share	390,949,079	390,949,079	208,771,303	390,949,079	224,087,799		



Cellect Biotechnology Ltd. Consolidated Balance Sheet Data

Convenience

7,008

24,114

21,320

	translation September 30, 2020 Unaudited	September 30, 2020 Unaudited	December 31, 2019 Audited	
	U.S. dollars	N		
		ands, except share		
	(III tilous	share data)	una per	
CURRENT ASSETS:				
Cash and cash equivalents	6,071	20,889	18,106	
Other receivables	205	707	469	
	6,276	21,596	18,575	
NON-CURRENT ASSETS:				
Restricted cash	96	329	328	
Right-of-use assets	238	819	1,035	
Other long-term receivables	19	66	94	
Property, plant and equipment, net	379	1,304	1,288	
	732	2,518	2,745	
	7,008	24,114	21,320	
	7,000			
CURRENT LIABILITIES:				
Trade payables	71	243	158	
Other payables	579	1,994	3,080	
Current maturities of lease liability	136	468	396	
Current industries of rease habiney	786	2,705	3,634	
MONI CURRENT LIA DII PERC.	/00	2,705	3,034	
NON-CURRENT LIABILITIES:	254	1 210	2.172	
Warrants to ADS	354	1,218	2,172	
Lease liability	112	386	677	
	466	1,604	2,849	
EQUITY:				
Ordinary shares of no par value: Authorized: 500,000,000 shares at December 31, 2019 and September 30, 2020; Issued and outstanding: 390,949,079*) and 224,087,799*) shares as of December 31, 2019 and September 30, 2020, respectively.				
Additional Paid in Capital	36,861	126,839	108,598	
Share-based payments	4,721	16,244	16,528	
Treasury shares	(2,739)	(9,425)	(9,425)	
Accumulated deficit	(33,087)	(113,853)	(100,864)	
	5,756	19,805	14,837	
	3,730	10,300	11,007	
	= 000	2444	24 220	

^{*)} Net of 2,641,693 treasury shares of the Company held by the Company.



Cellect Biotechnology Ltd Consolidated Cash Flow Data

Convenience translation Nine months ended

	ended September 30,	Nine months ended September 30,		Three months ended September 30,		
		2020	2019	2020	2019	
	Unaudited Unaudited					
	U.S. dollars					
	(In thousands)					
Cash flows from operating activities:						
Total comprehensive loss	(3,775)	(12,989)	(10,732)	(1,633)	(4,812)	
Adjustments to reconcile net loss to net cash used in operating activities:						
Exchange rate difference	(61)	(211)	-	(216)	-	
Net financing expenses	14	48	1,087	11	272	
Loss (gain) from revaluation of financial assets						
presented at fair value through profit and loss	-	-	8	-	2	
Depreciation	75	256	285	86	93	
Changes in fair value of traded and not traded warrants	790	2,718	(9,351)	(1,089)	(910)	
Share-based payment	138	476	1,901	(353)	1,371	
Decrease (increase) in other receivables	(61)	(210)	146	263	- (4.4.00)	
Decrease in other payables	(334)	(1,149)	(1,855)	(396)	(1,138)	
Depreciation of Right of use - Assets under operating lease	79	272	457	89	143	
Interest received during the period	16	56	(75)	21	(29)	
Net cash used in operating activities	(3,119)	(10,733)	(18,129)	(3,217)	(5,008)	
Cash flows from investing activities:						
Restricted deposit, net	-	(1)	-	1	-	
Sales (Purchase) of property, plant, and equipment	(36)	(124)	(120)	(155)	-	
Net cash provided by investing activities	(36)	(125)	(120)	(154)		
Cash flows from financing activities:						
Exercise of warrants and stock options into shares	1,341	4,615	-	(92)	-	
Leases liabilities	(94)	(324)	(422)	(112)	(143)	
Issue of share capital and warrants, net of issue costs	2,672	9,194	23,723	-	-	
Net cash provided (used) by financing activities	3,919	13,485	23,301	(204)	(143)	
Exchange differences on balances of cash and cash						
equivalents	45	156	(1,012)	195	(243)	
Increase (decrease) in cash and cash equivalents	809	2,783	4,040	(3,380)	(5,394)	
Balance of cash and cash equivalents at the beginning				· · · · · ·		
of the period	5,262	18,106	17,809	24,269	27,243	
Balance of cash and cash equivalents at the end of						

WWW.CELLECTBIO.COM ENABLING STEM CELLS

20,889

21,849

20,889

21,849

6,071

the period