

IMMUCELL CORP /DE/

Form S-3

November 16, 2016

As filed with the Securities and Exchange Commission on November 16, 2016

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

ImmuCell Corporation

(Exact name of registrant as specified in its charter)

Delaware

01-0382980

(State or other jurisdiction of incorporation or organization) (I.R.S. Employer Identification Number)

56 Evergreen Drive

Portland, ME 04103

(207) 878-2770

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Michael F. Brigham

President, Chief Executive Officer and Treasurer

56 Evergreen Drive

Portland, ME 04103

(207) 878-2770

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copy to:

David J. Champoux

Pierce Atwood LLP

254 Commercial Street

Portland, ME 04101

(207) 791-1100

Approximate date of commencement of proposed sale to the public: From time to time after this Registration Statement becomes effective.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box:

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

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If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See the definitions of “large accelerated filer”, “accelerated filer” and “smaller reporting company” in Rule 12b-2 of the Securities Exchange Act of 1934.

Large accelerated filer	Accelerated filer	Non-accelerated filer	Smaller reporting company
		(Do not check if a smaller reporting company)	

CALCULATION OF REGISTRATION FEE

Title of each class of securities to be registered	Amount to be registered ⁽¹⁾⁽²⁾	Proposed maximum offering price per Share⁽²⁾	Aggregate maximum offering price ⁽²⁾	Amount of registration fee
Common Stock, par value \$0.10 per share	659,880 shares	\$ 5.16	\$3,404,981	\$ 394.64

Pursuant to Rule 416 under the Securities Act of 1933 (the "Securities Act"), this registration statement also covers (1) any additional securities that may be offered or issued in connection with any stock split, stock dividend or similar transaction.

Estimated solely for the purpose of calculating the amount of the registration fee in accordance with Rule 457(c) under the Securities Act. The proposed maximum offering price per share and proposed maximum aggregate (2) offering price are based upon the average of the high (\$5.24) and low (\$5.08) sales price of the registrant's common stock on November 15, 2016, as reported on the NASDAQ Capital Market.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the Registration Statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

The information in this preliminary prospectus is not complete and may be changed. The Selling Stockholders may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and the Selling Stockholders are not soliciting offers to buy these securities in any state where the offer or sale of these securities is not permitted.

Subject To Completion, Dated November 16, 2016

Prospectus

IMMUCELL CORPORATION

659,880 Shares of

Common Stock

This prospectus covers the sale, transfer or other disposition of up to 659,880 shares of common stock by certain Selling Stockholders, which, as used herein, includes donees, pledgees, transferees, and other successors-in-interest selling shares of common stock received after the date of this prospectus from a Selling Stockholder as a gift, pledge, partnership distribution or other transfer, or the Selling Stockholders. The Selling Stockholders may, from time to time, sell, transfer or otherwise dispose of any or all of their shares of common stock on any stock exchange, market, or trading facility on which the shares are traded or in private transactions. These dispositions may be at fixed prices, at prevailing market prices at the time of sale, at prices related to the prevailing market price, at varying prices determined at the time of sale, or at negotiated prices.

ImmuCell is not offering any shares of common stock for sale under this prospectus. We will not receive any of the proceeds from the sale or other disposition of the shares of common stock by the Selling Stockholders.

Our common stock is listed on the NASDAQ Capital Market under the symbol "ICCC." The aggregate market value of our outstanding common stock held by non-affiliates was approximately \$_____ based on 4,847,390 shares of outstanding common stock, of which 863,583 shares are held by affiliates, and a price of \$____ per share, which was the last reported sale price of our common stock as quoted on NASDAQ Capital Market on November __, 2016.

INVESTING IN OUR COMMON STOCK INVOLVES RISKS. YOU SHOULD REVIEW CAREFULLY THE RISKS AND UNCERTAINTIES DESCRIBED UNDER THE HEADING "RISK FACTORS" CONTAINED HEREIN AND IN OUR ANNUAL REPORT ON FORM 10-K FOR THE YEAR ENDED DECEMBER 31, 2015, AND UNDER SIMILAR HEADINGS IN THE OTHER DOCUMENTS THAT ARE INCORPORATED BY REFERENCE INTO THIS PROSPECTUS.

NEITHER THE SECURITIES AND EXCHANGE COMMISSION NOR ANY STATE SECURITIES COMMISSION HAS APPROVED OR DISAPPROVED THESE SECURITIES OR DETERMINED IF THIS PROSPECTUS IS TRUTHFUL OR COMPLETE. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.

The date of this prospectus is _____, 2016.

TABLE OF CONTENTS

<u>CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS</u>	1
<u>ABOUT THIS PROSPECTUS</u>	1
<u>ABOUT IMMUCELL CORPORATION</u>	2
<u>PRIVATE PLACEMENT OF COMMON SHARES</u>	4
<u>THE OFFERING</u>	4
<u>WHERE YOU CAN FIND ADDITIONAL INFORMATION</u>	5
<u>INCORPORATION OF INFORMATION BY REFERENCE</u>	5
<u>RISK FACTORS</u>	7
<u>DESCRIPTION OF COMMON STOCK</u>	7
<u>PLAN OF DISTRIBUTION</u>	10
<u>Selling stockholders</u>	11
<u>LEGAL MATTERS</u>	12
<u>EXPERTS</u>	12
<u>INTERESTS OF NAMED EXPERTS AND COUNSEL</u>	12

TABLE OF CONTENTS

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

Some of the statements in this prospectus constitute “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These statements relate to future events concerning our business and to our future revenues, operating results and financial condition. In some cases, you can identify forward-looking statements by terminology such as “may,” “will,” “could,” “would,” “should,” “expect,” “plan,” “anticipate,” “aim,” “intend,” “believe,” “estimate,” “target,” “forecast,” “predict,” “project,” “propose,” “potential,” or “contingent,” or the negative of those terms or other comparable terminology.

Any forward-looking statements contained in this prospectus are only estimates or predictions of future events based on information currently available to our management and management’s current beliefs about the potential outcome of future events. Whether these future events will occur as management anticipates, whether we will achieve our business objectives, and whether our revenues, operating results or financial condition will be sustained or improve in future periods are subject to numerous risks. There are a number of important factors that could cause actual results to differ materially from the results anticipated by these forward-looking statements. These important factors include those that we discuss under the heading “Risk Factors” and in other sections of our Annual Report on Form 10-K for the year ended December 31, 2015 and our Form 10-Q for the quarterly period ended September 30, 2016, all filed with the Securities and Exchange Commission (“SEC”), as well as in our other reports filed from time to time with the SEC that are incorporated by reference into this prospectus. You should read these factors and the other cautionary statements made in this prospectus and in the documents we incorporate by reference into this prospectus as being applicable to all related forward-looking statements wherever they appear in this prospectus or the documents we incorporate by reference into this prospectus. If one or more of these factors materialize, or if any underlying assumptions prove incorrect, our actual results, performance or achievements may vary materially from any future results, performance or achievements expressed or implied by these forward-looking statements. We undertake no obligation to publicly update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

ABOUT THIS PROSPECTUS

This document is called a prospectus and is part of a registration statement that we have filed with the SEC, using a “shelf” registration process.

If there is any inconsistency between the information in this prospectus or information incorporated by reference having a later date, you should rely on the incorporated information having a later date. We urge you to read carefully this prospectus, together with the information incorporated herein by reference as described under the heading “Where You Can Find More Information,” before buying any of the securities being offered.

You should rely only on the information we have provided or incorporated by reference in this prospectus. We have not, and the Selling Stockholders have not, authorized anyone to provide you with different information. No dealer, salesperson or other person is authorized to give any information or to represent anything not contained in this prospectus.

Neither the delivery of this prospectus nor any sale made under it implies that there has been no change in our affairs or that the information in this prospectus is correct as of any date after the date of this prospectus. You should assume that the information in this prospectus is accurate only as of the date on the front of this prospectus, and that any information we have incorporated by reference is accurate only as of the date of the document incorporated by reference, regardless of the time of delivery of this prospectus or any sale of a security.

This prospectus contains summaries of certain provisions contained in some of the documents described herein, but reference is made to the actual documents for complete information. All of the summaries are qualified in their entirety by the actual documents. Copies of some of the documents referred to herein have been filed, will be filed or will be incorporated by reference as exhibits to the registration statement of which this prospectus is a part, and you may obtain copies of those documents as described below under “Where You Can Find More Information”.

In this prospectus, unless the context otherwise requires, references to “we”, “us”, “our” or similar terms, as well as references to “ImmuCell” or the “Company”, refer to ImmuCell Corporation.

TABLE OF CONTENTS

ABOUT IMMUCELL CORPORATION

We are a growing animal health company whose purpose is to create scientifically-proven and practical products that result in a measurable economic impact on animal health and productivity in the dairy and beef industries. We were original incorporated in Maine in 1982 and reincorporated in Delaware in 1987, in conjunction with our initial public offering of common stock. We have developed products that provide significant, immediate immunity to newborn dairy and beef cattle and are in the late stages of developing a new product that addresses mastitis, the most significant cause of economic loss to the dairy industry.

Across all product lines, our product sales for the year ended December 31, 2015 increased by 35%, or \$2,632,000, to \$10,229,000 from \$7,597,000 in 2014, and gross margins as a percentage of product sales were 61% in 2015, as compared to 59% during 2014. Growth in sales of our lead product, **First Defense**® and related product line extensions, has driven the increase in our total product sales. Sales of **First Defense**®, and related product line extensions, aggregated 92.8% and 91.6% of our total product sales during the years ended December 31, 2015 and 2014, respectively. Sales of **First Defense**® and related product line extensions increased by 36%, 27% and 14% during the years ended December 31, 2015, 2014 and 2013, respectively, in comparison to the prior years. **First Defense**® is manufactured from hyperimmune cows' colostrum (the milk that a cow produces immediately after giving birth) utilizing our proprietary vaccine and milk protein purification technologies. The target disease, bovine enteritis (calf scours), causes diarrhea and dehydration in newborn calves and often leads to serious sickness and even death. **First Defense**® is the only USDA-licensed, orally delivered scours preventive product on the market for calves with claims against *E. coli* K99 and coronavirus (two leading causes of scours). **First Defense**® provides bovine antibodies that newborn calves need but are unable to produce on their own immediately after birth. Our milk antibody products provide **Immediate Immunity**™ during the first few critical days of life when calves need this protection most. Studies have shown that calves that scour are more susceptible to other diseases later in life and under-perform calves that do not contract scours.

During the third quarter of 2016, our total product sales declined 20%, or \$504,000, to \$1,968,000 from \$2,472,000 during the same period in 2015. For the nine-month period ended September 30, 2016, our total product sales declined 3%, or \$204,000, to \$7,330,000 from \$7,534,000 during the same period in 2015. We experienced net operating income of \$50,000 during the third quarter of 2016 (compared to \$627,000 in the third quarter of 2015). We recorded net operating income of \$771,000 during the nine-month period ended September 30, 2016, compared to \$1,661,000 during the comparable period of 2015. We recorded net income of \$35,000, or \$0.01 per diluted share, during the third quarter of 2016 compared to \$351,000, or \$0.11 per diluted share during the comparable period of 2015. We recorded net income of \$478,000, or \$0.11 per diluted share, during the nine-month period ended September 30, 2016 compared to \$924,000, or \$0.29 per diluted share, during the comparable period of 2015.

We believe that the declines experienced in the third quarter of 2016 in **First Defense**® sales are attributable to several factors:

Customer order patterns were disrupted during the prolonged period of order backlog from first quarter of 2015 until the early part of the third quarter of 2016.

After completing a significant investment to double **First Defense**® production capacity during early 2016, the distribution chain was re-supplied with product largely during the second quarter of 2016.

TABLE OF CONTENTS

When customers were unable to secure supply of **First Defense**®, some moved to other products (with and without claims), and some opted to use no scours preventative at all.

A competitive product, that experienced interrupted supply to the market during late 2014 and through the first half of 2015, has returned to the market. Some customers have reverted back to using this product.

The Company's sales team needs to regain momentum lost when it was not able to focus on acquiring new customers during the period of scarce product supply.

- Based on our informal survey of market sources, the value of a bull calf has dropped from approximately \$450 last year to about \$50 to \$200 presently.

The average Class III milk price has declined from \$15.80 per hundred pounds during 2015 (compared to \$22.34 for 2014) to \$14.38 during the first nine months of 2016. The average price of \$13.48 during the first six months of the year increased to \$16.18 during the third quarter of 2016.

Although some of these unfavorable conditions appear to be improving, we do not expect to see total sales for 2016 reaching the historic high levels experienced in 2015.

The majority of our product development budget from 2000 through 2016 has been focused on the development of **Mast Out**®, a Nisin-based intramammary treatment of subclinical mastitis in lactating dairy cows. During the 16.75-year period that began on January 1, 2000 (the year we began the development of **Mast Out**®) and ended on September 30, 2016, we invested the aggregate of approximately \$12,271,000 in the development of **Mast Out**®. This estimated allocation to **Mast Out**® reflects only direct expenditures and includes no allocation of product development or administrative overhead expenses. Approximately \$2,891,000 of this investment was offset by product licensing revenues and grant income related to **Mast Out**®. Nisin is an antibacterial peptide that has been demonstrated in clinical studies to be an effective aid in the reduction of mastitis-causing organisms in dairy cows. Mastitis is a very common infection in dairy cows that results in inflammation of the mammary gland. Because dairy producers are required to discard milk for a period during and after treatment with all currently marketed mastitis treatment products due to concerns about antibiotic residue in milk, it is generally current practice to only treat mastitis when the disease has progressed to the clinical stage where the milk from an infected cow cannot be sold. We believe that **Mast Out**® could revolutionize the way that mastitis is treated by making earlier treatment of subclinically infected cows economically feasible by not requiring a milk discard during, or for a period of time after, treatment. No other FDA-approved mastitis treatment product on the market can offer this value proposition. Commercial introduction of **Mast Out**® in the United States is subject to approval of our New Animal Drug Application by the U.S. Food and Drug Administration's Center for Veterinary Medicine (FDA), which approval cannot be assured. Foreign regulatory approvals would be required for sales in key markets outside of the United States, which would involve some similar and some different requirements.

During the third quarter of 2016, we began construction of a major expansion of our manufacturing facilities to enable us to produce Nisin for use in the production and sale of **Mast Out®**. We anticipate that construction of the building will be completed by the end of the third quarter of 2017, and that equipment installation will be completed during the first quarter of 2018. This facility would then produce validation batches for submittal to and review by FDA, and the facility will be inspected by FDA, as part of our NADA application process, which we hope will be complete in 2019, enabling commercial sales of **Mast Out®** to commence.

The estimated cost of this production facility is \$20 million. As of September 30, 2016, our cash and cash equivalents totaled \$9,607,000 (including approximately \$5.3 million in net proceeds from our public offering of common stock completed in February 2016 and excluding \$343,000 held temporarily in escrow). We previously arranged for secured credit facilities provided by TD Bank totaling \$4.5 million and a line of credit totaling \$500,000 to be available to fund a portion of the cost of the Nisin production facility. Approximately \$651,000 had been paid towards this project as of September 30, 2016. The remaining cost of the production facility (approximately \$4.4 million) we expect to fund with the approximately \$3.2 million in net proceeds from the common stock issuance described in “Private Placement of Common Shares”, and with a combination of cash generated by operations in the fourth quarter of 2016 and the first and second quarters of 2017 and possibly some additional bank borrowings.

Our principal executive offices are located at 56 Evergreen Drive, Portland, ME 04103. Our telephone number is (207) 878-2770. Our website is located at www.immucell.com. Information contained on, or that can be accessed through, our website is not part of this prospectus.

TABLE OF CONTENTS

PRIVATE PLACEMENT OF COMMON SHARES

On October 17, 2016 we entered into a purchase agreement (the “Securities Purchase Agreement”) with institutional and accredited investors as part of a private placement pursuant to which we agreed to issue a total of 659,880 share of our common stock (the “Shares”) for an aggregate purchase price of \$3,464,370. Closing of the private placement pursuant to the Securities Purchase Agreement occurred on October 21, 2016.

In connection with the Securities Purchase Agreement, we also entered into a Registration Rights Agreement (the “Registration Rights Agreement”) pursuant to which we have filed with the SEC the registration statement of which this prospectus forms a part, relating to the offer and sale or other disposition by the holders of the Shares. Pursuant to the Registration Rights Agreement, we are obligated to file the registration statement by November 16, 2016 and to use commercially reasonable efforts to cause the registration statement to be declared effective by January 15, 2017, which is 90 days from the date of the Securities Purchase Agreement. Failure to meet those and related obligations, or failure to maintain the effective registration of the Shares, will subject ImmuCell to payment of liquidated damages.

Copies of the Securities Purchase Agreement and the Registration Rights Agreement are incorporated by reference as exhibits to the registration statement of which this prospectus forms a part. The foregoing summaries of each of the transaction documents, including the warrants, are qualified in their entirety by reference to such documents.

THE OFFERING

Common stock outstanding: 4,847,390 shares (1)

Common Stock that may be sold or otherwise disposed of by the Selling 659,880 shares
Stockholders:

NASDAQ Capital Market symbol for common stock: ICC

Use of proceeds: We will not receive any of the proceeds from the sale or other disposition of the Shares covered by this prospectus

Risk factors: See “Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2015 as well as our subsequently filed periodic and current reports, for a discussion of factors to consider before investing in shares of our common stock.

The number of shares shown to be outstanding is based on the number of shares of our common stock outstanding (1) as of November __, 2016, and does not include shares reserved for issuance upon the exercise of options granted or available under stock option plans.

TABLE OF CONTENTS

WHERE YOU CAN FIND ADDITIONAL INFORMATION

We have filed with the SEC a registration statement on Form S-3 under the Securities Act of 1933, as amended (“Securities Act”), with respect to the securities covered by this prospectus. This prospectus, which is a part of the registration statement, does not contain all of the information set forth in the registration statement or the exhibits and schedules filed therewith. For further information with respect to us and the securities covered by this prospectus, please see the registration statement and the exhibits filed with the registration statement. A copy of the registration statement and the exhibits filed with the registration statement may be inspected without charge at the Public Reference Room maintained by the SEC, located at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for more information about the operation of the Public Reference Room. The SEC also maintains a website that contains reports, proxy and information statements and other information regarding registrants that file electronically with the SEC. The address of the website is <http://www.sec.gov>.

We are subject to the information and periodic reporting requirements of the Securities Exchange Act of 1934, as amended (the “Exchange Act”) and, in accordance therewith, we file periodic reports, proxy statements and other information with the SEC. Such periodic reports, proxy statements and other information are available for inspection and copying at the Public Reference Room and website of the SEC referred to above. We maintain a website at www.immucell.com. You may access our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to those reports filed pursuant to Sections 13(a) or 15(d) of the Exchange Act with the SEC free of charge at our website as soon as reasonably practicable after such material is electronically filed with, or furnished to, the SEC. Our website and the information contained on that site, or connected to that site, are not incorporated into and are not a part of this prospectus.

INCORPORATION OF INFORMATION BY REFERENCE

The SEC allows us to “incorporate by reference” the information we file with it, which means that we can disclose important information to you by referring you to those documents. The information we incorporate by reference is an important part of this prospectus, and certain information that we will later file with the SEC will automatically update and supersede this information. We incorporate by reference the documents listed below, as well as any future filings made with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act from the date of the initial registration statement and prior to the effectiveness of this registration statement, and any filings made after the date of this prospectus until we sell all of the securities under this prospectus, except that we do not incorporate any document or portion of a document that was furnished and deemed by the rules of the SEC not to have been filed:

Our Annual Report on Form 10-K for the fiscal year ended December 31, 2015, filed with the SEC on March 25, 2016;

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Our Quarterly Report on Form 10-Q for the quarter ended September 30, 2016, filed with the SEC on November 10, 2016;

Our Current Reports on Form 8-K filed with the SEC on January 7, 2016, January 29, 2016, January 29, 2016, February 3, 2016, February 10, 2016, March 7, 2016, March 31, 2016, May 11, 2016, May 23, 2016, June 15, 2016, June 16, 2016, August 11, 2016, October 11, 2016, October 18, 2016, October 18, 2016, October 21, 2016 and November 10, 2016; and

Our definitive proxy statement on Schedule 14A filed on April 28, 2016 for our annual meeting of shareholders held on June 15, 2016.

Additionally, all reports and other documents subsequently filed by us pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act after (i) the date of the initial registration statement and prior to effectiveness of the registration statement; and (ii) the date of this prospectus and prior to the termination or completion of this offering, shall be deemed to be incorporated by reference in this prospectus and to be part hereof from the date of filing of such reports and other documents. Any information that we subsequently file with the SEC that is incorporated by reference as described above will automatically update and supersede any previous information that is part of this prospectus.

We hereby undertake to provide without charge to each person, including any beneficial owner, to whom a copy of this prospectus is delivered, upon written or oral request of any such person, a copy of any and all of the information that has been or may be incorporated by reference in this prospectus, other than exhibits to such documents. Requests for such copies should be directed to our Corporate Secretary at 56 Evergreen Drive, Portland, ME 04103. Our telephone number is (207) 878-2770.

TABLE OF CONTENTS

RISK FACTORS

An investment in our common stock involves risks. Prior to making a decision about investing in our common stock, you should consider carefully the risks together with all of the other information contained or incorporated by reference in this prospectus, including any risks described in the section entitled “Risk Factors” contained in our Annual Report on Form 10-K for the fiscal year ended December 31, 2015 and our subsequent filings with the SEC.

DESCRIPTION OF COMMON STOCK

The description below of our common stock and provisions of our certificate of incorporation and bylaws are summaries and are qualified by reference to the certificate of incorporation and the bylaws. These documents are filed as exhibits to the registration statement of which this prospectus is a part.

Our authorized capital stock consists of 10,000,000 shares of common stock. As of November __, 2016, there were 4,847,390 shares of common stock outstanding. The holders of common stock are entitled to receive ratably dividends, if any, as may be declared from time to time by the Board of Directors out of funds legally available for that purpose. In the event of our liquidation, dissolution or winding up, whether voluntary or involuntary, the holders of common stock are entitled to share ratably in all assets remaining after payment of or provision for liabilities. The common stock has no preemptive or conversion rights or other subscription rights. There are no redemption or sinking fund provisions applicable to the common stock. All outstanding shares of common stock are fully paid and nonassessable, and the shares of common stock to be issued upon the closing of this offering will be fully paid and nonassessable.

The holders of common stock are entitled to one vote per share on all matters to be voted upon by the shareholders. There is no cumulative voting.

Effect of Certain Provisions of our Certificate of Incorporation, Bylaws and Common Stock Rights Plan

Provisions of our certificate of incorporation, our bylaws, our Common Stock Rights Plan or Delaware law may discourage, delay or prevent a merger, acquisition or other change in control that stockholders may consider favorable, including transactions in which stockholders might otherwise receive a premium for their shares of our common stock. These provisions may also prevent or frustrate attempts by our stockholders to replace or remove our management. These provisions include:

limitations on the removal of directors; advance notice requirements for stockholder proposals and nominations;

the ability of our Board of Directors to alter or repeal our bylaws;

the ability of our Board of Directors to refuse to redeem rights issued under our Common Stock Rights Plan or otherwise to limit or suspend its operation that would work to dilute the stock ownership of a potential hostile acquirer, likely preventing acquisitions that have not been approved by our Board of Directors; and

Section 203 of the Delaware General Corporation Law, which prohibits a publicly-held Delaware corporation from engaging in a business combination with an interested stockholder (generally defined as a person which together with its affiliates owns, or within the last three years has owned, 15% of our voting stock, for a period of three years after the date of the transaction in which the person became an interested stockholder) unless the business combination is approved in a prescribed manner.

TABLE OF CONTENTS

The existence of the foregoing provisions and anti-takeover measures could depress the trading price of our common stock or limit the price that investors might be willing to pay in the future for shares of our common stock. They could also deter potential acquirers of our Company, thereby reducing the likelihood of obtaining a premium for our common stock in an acquisition.

These provisions, summarized below, are expected to discourage coercive takeover practices and inadequate takeover bids and to promote stability in our management. These provisions are also designed to encourage persons seeking to acquire control of us to first negotiate with our board of directors.

Shareholder Meetings. Our bylaws provide that a special meeting of shareholders may be called only by the President or by the Board of Directors or by shareholders holding a majority of the outstanding shares of our common stock.

Requirements for Advance Notification of Shareholder Nominations and Proposals. Our bylaws establish advance notice procedures with respect to shareholder proposals and the nomination of candidates for election as directors, other than nominations made by or at the direction of our Board of Directors or a committee of the Board of Directors.

Board of Directors Vacancies. Under our bylaws, any vacancy on the Board of Directors, including a vacancy resulting from an enlargement of the Board of Directors, may only be filled by vote of a majority of the remaining directors. Any director may be removed by vote of the holders of a majority of the outstanding shares of our common stock. The limitations on the removal of directors and filling of vacancies would have the effect of making it more difficult for a third party to acquire control of us, or of discouraging a third party from acquiring control of us.

Board of Directors Size. Within the range specified by our bylaws, our Board of Directors determines the size of our board and may create new directorships and elect new directors, which may enable an incumbent board to maintain control by adding directors.

Indemnification. Our certificate of incorporation and our bylaws, as amended, provide that we will indemnify officers and directors against losses as they incur in investigations and legal proceedings resulting from their services to us, which may include service in connection with takeover defense measures.

In September 1995, our Board of Directors adopted a Common Stock Rights Plan and declared a dividend of one common share purchase right (a "Right") for each of the then outstanding shares of the common stock of the Company. Each Right entitles the registered holder to purchase from the Company one share of common stock at an initial purchase price of \$70.00 per share, subject to adjustment. The description and terms of the Rights are set forth in a Rights Agreement between the Company and American Stock Transfer & Trust Company, LLC, as Rights Agent.

The Rights (as amended) become exercisable and transferable apart from the common stock upon the earlier of i) 10 days following a public announcement that a person or group (Acquiring Person) has, without the prior consent of the Continuing Directors (as such term is defined in the Rights Agreement), acquired beneficial ownership of 20% or more of the outstanding common stock or ii) 10 days following commencement of a tender offer or exchange offer the consummation of which would result in ownership by a person or group of 20% or more of the outstanding common stock (the earlier of such dates being called the Distribution Date).

Upon the Distribution Date, the holder of each Right not owned by the Acquiring Person would be entitled to purchase common stock at a discount to the initial purchase price of \$70.00 per share, effectively equal to one half of the market price of a share of common stock on the date the Acquiring Person becomes an Acquiring Person. If, after the Distribution Date, the Company should consolidate or merge with any other entity and the Company were not the surviving company, or, if the Company were the surviving company, all or part of the Company's common stock were changed or exchanged into the securities of any other entity, or if more than 50% of the Company's assets or earning power were sold, each Right would entitle its holder to purchase, at the Rights' then-current purchase price, a number of shares of the acquiring company's common stock having a market value at that time equal to twice the Right's exercise price.

At any time after a person or group becomes an Acquiring Person and prior to the acquisition by such person or group of 50% or more of the outstanding common stock, the Board of Directors of the Company may exchange the Rights (other than Rights owned by such person or group which have become void), in whole or in part, at an exchange ratio of one share of common stock per Right (subject to adjustment). At any time prior to 14 days following the date that any person or group becomes an Acquiring Person (subject to extension by the Board of Directors), the Board of Directors of the Company may redeem the then outstanding Rights in whole, but not in part, at a price of \$0.005 per Right, subject to adjustment.

TABLE OF CONTENTS

On June 8, 2005, our Board of Directors voted to authorize an amendment of the Rights Agreement to extend the Final Expiration Date by an additional three years, to September 19, 2008. As of June 30, 2005, we entered into an amendment to the Rights Agreement with the Rights Agent reflecting such extension. On June 6, 2008 our Board of Directors voted to authorize an amendment of the Rights Agreement to extend the Final Expiration Date by an additional three years, to September 19, 2011, and to increase the ownership threshold for determining “Acquiring Person” status from 15% to 18%. As of June 30, 2008, we entered into an amendment to the Rights Agreement with the Rights Agent reflecting such extension and threshold increase. On August 5, 2011, our Board of Directors voted to authorize amendments of the Rights Agreement to extend the Final Expiration Date by an additional three years to September 19, 2014 and to increase the ownership threshold for determining “Acquiring Person” status from 18% to 20%. As of August 9, 2011, we entered into an amendment to the Rights Agreement with the Rights Agent reflecting such extension and threshold increase. On June 10, 2014, our Board of Directors voted to authorize an amendment to the Rights Agreement to extend the final expiration date by an additional three years to September 19, 2017. As of June 16, 2014, we entered into an amendment to the Rights Agreement with the Rights Agent reflecting such extension. As of April 15, 2015, we entered into an amendment to the Rights Agreement with the Rights Agent deleting the provisions requiring that redemptions of the Rights, waivers or consents avoiding “Acquiring Person” status or certain amendments to the Rights Agreement be approved by “Continuing Directors”. No other changes have been made to the terms of the Rights or the Rights Agreement.

Our Board of Directors believes that there is some risk that the potential value of the **Mast Out®** product development initiative is not fairly reflected in the market price of our common stock, as it fluctuates from time to time, and that opportunistic buyers could take advantage of that disparity to the detriment of our stockholders. If this were to happen and result in a potential threat through an unsolicited acquisition effort or otherwise, our Board of Directors feels that the Common Stock Rights Plan could enhance stockholder value by providing management with negotiating leverage.

Listing

Our common stock is listed on the NASDAQ Capital Market under the symbol “ICCC”.

Transfer Agent and Registrar

The transfer agent and registrar for our common stock is American Stock Transfer & Trust Company, LLC.

TABLE OF CONTENTS

PLAN OF DISTRIBUTION

Each Selling Stockholder (the “Selling Stockholders”) of the Shares and any of their pledgees, assignees and successors-in-interest may, from time to time, sell any or all of the Shares covered hereby on the NASDAQ Capital Market or any other stock exchange, market or trading facility on which the Shares are traded or in private transactions. These sales may be at fixed or negotiated prices. A Selling Stockholder may use any one or more of the following methods when selling Shares:

- *ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- *block trades in which the broker-dealer will attempt to sell Shares as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- *purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- *an exchange distribution in accordance with the rules of the applicable exchange;
- *privately negotiated transactions;
- *settlement of short sales;
- *in transactions through broker-dealers that agree with the Selling Stockholders to sell a specified number of such Shares at a stipulated price per Share;
- *through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- *a combination of any such methods of sale; or
- *any other method permitted pursuant to applicable law.

The Selling Stockholders may also sell Shares under Rule 144 or any other exemption from registration under the Securities Act of 1933, as amended (the “Securities Act”), if available, rather than under this prospectus.

Broker-dealers engaged by the Selling Stockholders may arrange for other broker-dealers to participate in sales. Broker-dealers may receive commissions or discounts from the Selling Stockholders (or, if any broker-dealer acts as agent for the purchaser of securities, from the purchaser) in amounts to be negotiated, but, except as set forth in a supplement to this prospectus, in the case of an agency transaction not in excess of a customary brokerage commission in compliance with FINRA Rule 2440; and in the case of a principal transaction a markup or markdown in compliance with FINRA IM-2440.

In connection with the sale of the Shares or interests therein, the Selling Stockholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the Shares in the course of hedging the positions they assume. The Selling Stockholders may also sell shares of common stock short and deliver Shares to close out their short positions, or loan or pledge Shares to broker-dealers that in turn may sell Shares. The Selling Stockholders may also enter into option or other transactions with broker-dealers or other financial institutions or create one or more derivative securities which require the delivery to such broker-dealer or other financial institution of Shares offered by this prospectus, which Shares such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction).

The Selling Stockholders and any broker-dealers or agents that are involved in selling the Shares may be deemed to be “underwriters” within the meaning of the Securities Act in connection with such sales. In such event, any commissions received by such broker-dealers or agents and any profit on the resale of the Shares purchased by them may be deemed to be underwriting commissions or discounts under the Securities Act. Each Selling Stockholder has informed the Company that it does not have any written or oral agreement or understanding, directly or indirectly, with any person to distribute the Shares.

TABLE OF CONTENTS

The Company is required to pay certain fees and expenses incurred by the Company incident to the registration of the Shares. The Company has agreed to indemnify the Selling Stockholders against certain losses, claims, damages and liabilities, including liabilities under the Securities Act.

The Company has agreed to keep the registration statement that includes this prospectus effective until the earlier of (i) the date on which the Shares may be resold by the Selling Stockholders without registration and without regard to any volume or manner-of-sale limitations by reason of Rule 144, without the requirement for the Company to be in compliance with the current public information requirement under Rule 144 under the Securities Act or any other rule of similar effect or (ii) all of the Shares have been sold pursuant to this prospectus or Rule 144 under the Securities Act or any other rule of similar effect. The Shares will be sold only through registered or licensed brokers or dealers if required under applicable state securities laws. In addition, in certain states, the Shares covered hereby may not be sold unless they have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and is complied with.

Under applicable rules and regulations under the Exchange Act, any person engaged in the distribution of the Shares may not simultaneously engage in market making activities with respect to the Company's common stock for the applicable restricted period, as defined in Regulation M, prior to the commencement of the distribution. In addition, the Selling Stockholders will be subject to applicable provisions of the Exchange Act and the rules and regulations thereunder, including Regulation M, which may limit the timing of purchases and sales of the common stock by the Selling Stockholders or any other person. The Company will make copies of this prospectus available to the Selling Stockholders and has informed them of the need to deliver a copy of this prospectus to each purchaser at or prior to the time of the sale (including by compliance with Rule 172 under the Act).

Selling stockholders

The shares of common stock being offered by the Selling Stockholders are those previously issued to the Selling Stockholders. For additional information regarding the issuances of those shares of common stock, see "Private Placement of Common Shares" above. We are registering the Shares in order to permit the Selling Stockholders to offer the Shares for resale from time to time. Except for the ownership of the Shares and other shares of common stock previously acquired by such Selling Stockholders, the Selling Stockholders have not had any material relationship with the Company within the past three years.

The table below lists the Selling Stockholders and other information regarding the beneficial ownership of the shares of common stock by each of the Selling Stockholders. The second column lists the number of shares of common stock beneficially owned by each Selling Stockholder as of November __, 2016.

The third column lists the shares of common stock being offered by this prospectus by the Selling Stockholders.

TABLE OF CONTENTS

In accordance with the terms of the Registration Rights Agreement, this prospectus generally covers the resale of the sum of the number of shares of common stock issued to the Selling Stockholders in the transaction described above, in “Private Placement of Common Shares”, as of the trading day immediately preceding the applicable date of determination and all subject to adjustment as provided in the Registration Rights Agreement. The fourth column assumes the sale of all of the Shares offered by the Selling Stockholders pursuant to this prospectus.

Name of Selling Stockholder	Number of shares of Common Stock Owned Prior to Offering	Maximum Number of shares of Common Stock to be Sold Pursuant to this Prospectus	Number of shares of Common Stock Owned after Offering	
			Numbers	Percentage
Norman H. Pessin SEP IRA fbo Norman H. Pessin	480,000	230,000	250,000	5.16 %
Dolphin Offshore Partners, L.P.	150,000	150,000	0	0
Craton Capital, L.P.	171,428	95,238	76,190	1.57 %
Brian Lee Pessin	40,000	20,000	20,000	*
Sudbury Capital Fund, L.P.	35,000	10,000	25,000	*
CVI Investments, Inc. ⁽¹⁾	29,762	29,762	0	0
Iroquois Master Fund, Ltd.	19,000	19,000	0	0
Iroquois Capital Investment Group LLC	5,000	5,000	0	0
Warberg WF IV L.P.	7,500	7,500	0	0
Anthony Polak	9,983	9,524	459	*
Domaco Venture Capital Fund	30,524	9,524	21,000	*
Maura Kelly	9,524	9,524	0	0
RL Capital Partners, L.P.	9,523	9,523	0	0
Jamie Polak	4,762	4,762	0	0
Margrit Polak	4,762	4,762	0	0
RBC Capital Markets, LLC (Custodian fbo Ronald Lazar IRA)	10,661	4,761	5,900	*
Steven Farber	72,500	5,000	67,500	1.39 %
John Lipman	18,000	18,000	0	0
Kevin Harris	18,000	18,000	0	0

* Less than one percent

⁽¹⁾ Heights Capital Management, Inc., the authorized agent of CVI Investments, Inc. (“CVI”), has discretionary authority to vote and dispose of the shares held by CVI and may be deemed to be the beneficial owner of these shares. Martin Kobinger, in his capacity as Investment Manager of Heights Capital Management, Inc., may also be deemed to have investment discretion and voting power over the shares held by CVI. Mr. Kobinger disclaims any such beneficial ownership to the shares. CVI investments, Inc. is affiliated with one or more FINRA member, none of whom are

currently expected to participate in the sale pursuant to this prospectus of shares purchased by CVI in the private offering described elsewhere herein.

LEGAL MATTERS

Pierce Atwood LLP will pass upon legal matters in connection with the validity of the securities offered hereby.

EXPERTS

The financial statements of ImmuCell Corporation as of December 31, 2015 and 2014 and for each of the two years in the period ended December 31, 2015 incorporated by reference in this prospectus from the Annual Report on Form 10-K for the year ended December 31, 2015 have been so incorporated in reliance on the report of Baker Newman & Noyes LLC, an independent registered public accounting firm, incorporated herein by reference, given on the authority of said firm as experts in auditing and accounting.

INTERESTS OF NAMED EXPERTS AND COUNSEL

No expert or counsel named in this prospectus as having prepared or certified any part of this prospectus or having given an opinion upon the validity of the securities being registered or upon other legal matters in connection with the registration or offering of the securities was employed on a contingency basis, or had, or is to receive, in connection with the offering, a substantial interest, direct or indirect, in the registrant. Nor was any such person connected with the registrant as a promoter, managing or principal underwriter, voting trustee, director, officer, or employee.

TABLE OF CONTENTS

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution

The estimated expenses payable by the registrant in connection with the issuance and distribution of the securities being registered are as follows:

SEC Registration Fee	\$ 395
Legal Fees and Expenses*	\$73,000
Accounting Fees and Expenses*	5,000
Miscellaneous Fees and Expenses*	\$9,500
TOTAL:	\$87,895

*Estimated solely for the purposes of this Item. Actual expenses may vary.

Item 15. Indemnification of Directors and Officers

We are incorporated in Delaware and consequently are subject to the Delaware General Corporation Law (the “DGCL”). Section 145 of the DGCL provides a detailed statutory framework covering indemnification of directors and officers who have been or are threatened to be or have been made defendants in legal proceedings by reason of their service as directors or officers. Our bylaws provide, in effect, that we shall indemnify our directors and officers to the maximum extent permitted by Delaware law. Article V, Sections 1 through 9 of our bylaws provide as follows:

“Section 1. Actions other than by or in the Right of the Corporation. The corporation shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation) by reason of the fact that he is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys’ fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by him in connection with such action, suit or proceeding if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceedings, had no reasonable cause to believe his conduct was unlawful. The termination of any action, suit or proceeding by judgment, order, settlement, conviction, or upon a

plea of NOLO CONTENDERE or its equivalent, shall not, of itself, create a presumption that the person did not act in good faith and in a manner which he reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had reasonable cause to believe that his conduct was unlawful.

Section 2. Actions by or in the Right of the Corporation. The corporation shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in his favor by reason of the fact that he is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses (including attorney's fees) actually and reasonably incurred by him in connection with the defense or settlement of such action or suit if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation and except that no indemnification shall be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable unless and only to the extent that the Court of Chancery of the State of Delaware or the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances for the case, such person is fairly and reasonably entitled to indemnity for such expenses which the Court of Chancery of the State of Delaware or such other court shall deem proper.

TABLE OF CONTENTS

Section 3. Success on the Merits. To the extent that any person described in Section 1 or 2 of this Article V has been successful on the merits or otherwise in defense of any action, suit or proceeding referred to in said Sections, or in defense of any claim, issue or matter therein, he shall be indemnified against expenses (including attorneys' fees) actually and reasonably incurred by him in connection therewith.

Section 4. Specific Authorization. Any indemnification under Section 1 or 2 of this Article V (unless ordered by a court) shall be made by the corporation only as authorized in the specific case upon a determination that indemnification of any person described in said Sections is proper in the circumstances because he has met the applicable standard of conduct set forth in said Sections. Such determination shall be made (1) by the Board of Directors by a majority vote of a quorum consisting of directors who were not parties to such action, suit or proceeding, or (2) if such a quorum is not obtainable, or even if obtainable a quorum of disinterested directors so directs, by independent legal counsel in a written opinion, or (3) by the stockholders to the corporation.

Section 5. Advance Payment. Expenses incurred in defending a civil or criminal action, suit or proceeding may be paid by the corporation in advance of the final disposition of such action, suit or proceeding upon receipt of an undertaking by or on behalf of any person described in said Section to repay such amount if it shall ultimately be determined that he is not entitled to indemnification by the corporation as authorized in this Article V.

Section 6. Non-Exclusivity. The indemnification and advancement of expenses provided by, or granted pursuant to, the other Sections of this Article V shall not be deemed exclusive of any other rights to which those provided indemnification or advancement of expenses may be entitled under any By-law, agreement, vote of stockholders or disinterested directors or otherwise, both as to action in his official capacity and as to action in another capacity while holding such office.

Section 7. Insurance. The Board of Directors may authorize, by a vote of the majority of the full board, the corporation to purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against any liability asserted against him and incurred by him in any such capacity, or arising out of his status as such, whether or not the corporation would have the power to indemnify him against such liability under the provisions of this Article V.

Section 8. Continuation of Indemnification and Advancement of Expenses. The indemnification and advancement of expenses provided by, or granted pursuant to, this Article V shall continue as to a person who has ceased to be a director, officer, employee or agent and shall inure to the benefit of the heirs, executors and administrators of such a person.

Section 9. Intent of Article. The intent of this Article V is to provide for indemnification and advancement of expenses to the fullest extent permitted by Section 145 of the General Corporation Law of Delaware. To the extent that such Section or any successor action may be amended or supplemented from time to time, this Article V shall be amended automatically and construed so as to permit indemnification and advancement of expenses to the fullest extent from time to time permitted by law.”

II-2

TABLE OF CONTENTS

Reference is made to Article Eighth of our certificate of incorporation, which provides as follows:

“EIGHTH. A director of the corporation shall not be personally liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director’s duty of loyalty to the corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) under Section 174 of the General Corporation Law of Delaware, or (iv) for any transaction from which the director derived an improper personal benefit. In addition to and not in limitation of the foregoing, a director of the corporation shall not be liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director to the fullest extent provided by the General Corporation Law of Delaware as the same may hereafter be amended.”

Reference is also made to Section 145 of the DGCL, which provides as follows:

“(a) A corporation shall have power to indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation) by reason of the fact that the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys’ fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by the person in connection with such action, suit or proceeding if the person acted in good faith and in a manner the person reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe the person’s conduct was unlawful. The termination of any action, suit or proceeding by judgment, order, settlement, conviction, or upon a plea of NOLO CONTENDERE or its equivalent, shall not, of itself, create a presumption that the person did not act in good faith and in a manner which the person reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had reasonable cause to believe that the person’s conduct was unlawful.

(b) A corporation shall have power to indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor by reason of the fact that the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation, as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses (including attorneys’ fees) actually and reasonably incurred by the person in connection with the defense or settlement of such action or suit if the person acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation and except that no indemnification shall be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable to the corporation unless and only to the extent that the Court of Chancery or the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which the Court of Chancery or such other court shall deem proper.

(c) To the extent that a present or former director or officer of a corporation has been successful on the merits or otherwise in defense of any action, suit or proceeding referred to in subsections (a) and (b) of this section, or in defense of any claim, issue or matter therein, such person shall be indemnified against expenses (including attorneys' fees) actually and reasonably incurred by such person in connection therewith.

(d) Any indemnification under subsections (a) and (b) of this section (unless ordered by a court) shall be made by the corporation only as authorized in the specific case upon a determination that indemnification of the director, officer, employee or agent is proper in the circumstances because the person has met the applicable standard of conduct set forth in subsections (a) and (b) of this section. Such determination shall be made with respect to a person who is a director or officer at the time of such determination (1) by a majority vote of the directors who are not parties to such action, suit or proceeding, even though less than a quorum, or (2) by a committee of such directors designated by majority vote of such directors, even though less than a quorum, or (3) if there are no such directors, or if such directors so direct, by independent legal counsel in a written opinion, or (4) by the stockholders.

(e) Expenses (including attorneys' fees) incurred by an officer or director in defending any civil, administrative or investigative action, suit or proceeding, may be paid by the corporation in advance of the final disposition of such action, suit or proceeding upon receipt of an undertaking by or on behalf of such director or officer to repay such amount if it shall ultimately be determined that such person is not entitled to be indemnified by the corporation as authorized in this section. Such expenses (including attorneys' fees) incurred by former directors and officers or other employees and agents may be so paid upon such terms and conditions, if any, as the corporation deems appropriate.

(f) The indemnification and advancement of expenses provided by, or granted pursuant to, the other subsections of this section shall not be deemed exclusive of any other rights to which those seeking indemnification or advancement of expenses may be entitled under any bylaw, agreement, vote of stockholders or disinterested directors or otherwise, both as to action in such person's official capacity and as to action in another capacity while holding such office.

(g) A corporation shall have power to purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against any liability asserted against such person and incurred by such person in any such capacity, or arising out of such person's status as such, whether or not the corporation would have the power to indemnify him against such liability under this section.

TABLE OF CONTENTS

(h) For purposes of this section, references to “the corporation” shall include, in addition to the resulting corporation, any constituent corporation (including any constituent of a constituent) absorbed in a consolidation or merger which, if its separate existence had continued, would have had power and authority to indemnify its directors, officers, and employees or agents, so that any person who is or was a director, officer, employee or agent of such constituent corporation, or is or was serving at the request of such constituent corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, shall stand in the same position under this section with respect to the resulting or surviving corporation as such person would have with respect to such constituent corporation if its separate existence had continued.

(i) For purposes of this section, references to “other enterprises” shall include employee benefit plans; references to “fines” shall include any excise taxes assessed on a person with respect to any employee benefit plans; and references to “serving at the request of the corporation” shall include any service as a director, officer, employee or agent of the corporation which imposes duties on, or involves services by, such director, officer, employee or agent with respect to an employee benefit plan, its participants or beneficiaries; and a person who acted in good faith and in a manner he reasonably believed to be in the interest of the participants and beneficiaries of an employee benefit plan shall be deemed to have acted in a manner “not opposed to the best interests of the corporation” as referred to in this section.

(j) The indemnification and advancement of expenses provided by, or granted pursuant to, this section shall, unless otherwise provided when authorized or ratified, continue as to a person who has ceased to be a director, officer, employee or agent and shall inure to the benefit of the heirs, executors and administrators of such a person.

(k) The Court of Chancery is hereby vested with exclusive jurisdiction to hear and determine all actions for advancement of expenses or indemnification brought under this section or under any bylaw, agreement, vote of stockholders or disinterested directors, or otherwise. The Court of Chancery may summarily determine a corporation’s obligation to advance expenses (including attorneys’ fees).”

As permitted by the bylaws, we also presently maintain a policy of directors’ and officers’ liability insurance.

We have also entered into an indemnification agreement (the “Indemnification Agreement”) with each of our directors and executive officers which is intended to complement the indemnity and protection available under our certificate of incorporation and bylaws and the directors’ and officers’ liability insurance policy maintained by us, and to provide for indemnification of directors and officers to the fullest extent permitted by applicable law.

While our bylaws provide, in effect, that we shall indemnify directors and officers to the maximum extent permitted by Delaware law, the Indemnification Agreement provides a number of procedures, presumptions and remedies used

in the determination of the right of the director or officer to indemnification. These procedures, presumptions and remedies substantially broaden the indemnity rights of directors and officers beyond those expressly contained in the bylaws and in Section 145 of the DGCL.

The Indemnification Agreement provides that we will pay certain expenses incurred by a director or officer in connection with any threatened, pending or completed action, suit, arbitration or proceeding, whether civil, criminal, administrative, or investigative, and specifically including actions by or in our name (“derivative suits”), where the individual’s involvement is by reason of the fact that he or she is or was a director or officer. Such amounts include attorneys’ fees and other expenses customarily incurred in connection with legal proceedings and, in the case of proceedings other than derivative suits, judgments, fines and amounts paid in settlement. Indemnification would be available for actions, suits, arbitrations or proceedings commenced after the effective date of the Indemnification Agreement. A director or officer will not receive indemnification if the director or officer is found not to have acted in good faith and in a manner he reasonably believed to be in or not opposed to our best interests.

TABLE OF CONTENTS

The Indemnification Agreement further provides that if an action against an indemnified party is dismissed, with or without prejudice, the defense is deemed to have been successful and indemnification is required to be made. The Indemnification Agreement also provides that litigation expenses must be advanced within twenty days of any request, against an undertaking to repay if the payee is ultimately determined not to be entitled to indemnification. A determination of entitlement must be made within sixty days of an indemnification request, and payment is to be made within ten days after a favorable determination. (Otherwise a determination in favor of the indemnified party is deemed to have been made.) If there is a change in control of the Company (as defined in the Indemnification Agreement), the indemnified party is presumed to be entitled to indemnification (although the Company may overcome this presumption), and the indemnified party may require that independent counsel (as defined in the Indemnification Agreement) make the determination of entitlement and may choose such counsel, subject to objection by us on limited grounds specified in the Indemnification Agreement. If a determination of entitlement is made, we are bound, but if the indemnified party is denied indemnification pursuant to the terms of the Indemnification Agreement, he or she is entitled to seek a de novo determination from a court. The indemnified party is entitled to enforce the Indemnification Agreement in court and we are precluded from challenging the validity of the procedures and presumptions contained in the Indemnification Agreement.

Item 16. Exhibits

Exhibit Number	Exhibit Description
5.1	Opinion of Pierce Atwood LLP
10.1	Securities Purchase Agreement (incorporated by reference to Exhibit 10.1 of the registrant's Current Report on Form 8-K filed on October 21, 2016 (file no. 1-12934))
10.2	Registration Rights Agreement (incorporated by reference to Exhibit 10.2 of the registrant's Current Report on Form 8-K filed on October 21, 2016 (file no. 1-12934))
23.1	Consent of Pierce Atwood LLP (included in Exhibit 5.1).
23.2	Consent of Baker Newman & Noyes LLC.
24.1	Power of Attorney (See signature page).

Item 17. Undertakings

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by section 10(a)(3) of the Securities Act of 1933.

(ii) To reflect in the prospectus any facts or events arising after the effective date of the Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the Registration Statement.

Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement.

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

Provided, however, that paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) above do not apply if the registration statement is on Form S-3 or Form F-3 and the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

TABLE OF CONTENTS

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(i) If the registrant is relying on Rule 430B:

(A) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(B) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5) or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date; or

(ii) If the registrant is subject to Rule 430C, each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness.

Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.

(5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities.

The undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

TABLE OF CONTENTS

- (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

- (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

- (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

- (b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

- (c) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act of 1933 shall be deemed to be part of this registration statement as of the time it was declared effective.

- (d) The undersigned registrant hereby undertakes that, for the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the provisions described in Item 15 above, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the

Act and will be governed by the final adjudication of such issue.

II-7

TABLE OF CONTENTS

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Portland, State of Maine on November 16, 2016.

IMMUCELL CORPORATION

By: /s/ Michael F. Brigham
Michael F. Brigham
President, Chief Executive Officer and Treasurer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Michael F. Brigham his true and lawful attorney-in-fact and agent with full power of substitution, for him/her and in his/her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement, and to sign any registration statement for the same offering covered by this registration statement that is to be effective upon filing pursuant to Rule 462(b) promulgated under the Securities Act of 1933, as amended, and all post-effective amendments thereto, and to file the same, with all exhibits thereto and all documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming that said attorney-in-fact and agent, or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed below by the following persons in the capacities and on the dates indicated.

Dated: November 16, 2016 By: /s/ Michael F. Brigham
Michael F. Brigham
President, Chief Executive Officer, Treasurer and Director
(Principal Executive Officer and Principal Financial and Accounting Officer)

Dated: November 16, 2016 By: /s/ Joseph H. Crabb

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Joseph H. Crabb, Vice President and Chief Scientific Officer and Director

Dated: November 16, 2016 By: /s/ David S. Cunningham
David S. Cunningham, Director

Dated: November 16, 2016 By: /s/ Linda Rhodes
Linda Rhodes, Director

Dated: November 16, 2016 By: /s/ Jonathan E. Rothschild
Jonathan E. Rothschild, Director

Dated: November 16, 2016 By: /s/ David S. Tomsche
David S. Tomsche, Director

Dated: November 16, 2016 By: /s/ Paul R. Wainman
Paul R. Wainman, Director

II-8

TABLE OF CONTENTS

ImmuCell Corporation

EXHIBIT INDEX

Exhibit 5.1 Opinion of Pierce Atwood LLP

Exhibit 23.1 Consent of Pierce Atwood LLP (included in Exhibit 5.1)

Exhibit 23.2 Consent of Baker Newman & Noyes LLC

II-9