

# Interim Financial Report

for the Period January 1 to June 30, 2014

Bavarian Nordic A/S Hejreskovvej 10A DK-3490 Kvistgaard Denmark CVR-No. DK 16 27 11 87

# Management's Review

# Financial Statement for the Period January 1 - June 30, 2014

Financial statements are un-audited. Comparison figures for the same period 2013 are stated in parentheses.

Revenue generated for the six months ended June 30, 2014 was DKK 450 million (DKK 556 million). Revenue was primarily generated from the sale of IMVAMUNE, DKK 386 million (DKK 299 million). Revenue reported for the three months ended June 30, 2014 was DKK 165 million (DKK 350 million).

Contribution margins on IMVAMUNE sales increased in the second quarter compared to the first quarter. Contribution margin for 2014 is still estimated at 2013 level. The production costs totaled DKK 229 million (DKK 212 million). Costs related directly to revenue amounted to DKK 224 million (DKK 176 million). Other production costs totaled DKK 5 million (DKK 36 million) and reflects a very low production scrap rate for the first six months of 2014. In the second quarter of 2014, production costs were DKK 85 million (DKK 81 million).

Research and development costs totaled DKK 192 million (DKK 282 million), see distribution in note 6. The research and development expenditures for the three months ending June 30, 2014 were DKK 102 million (DKK 209 million).

Distribution costs totaled DKK 23 million (DKK 16 million) and administrative costs totaled DKK 77 million (DKK 84 million). The increase in distribution costs is related to increased commercial activities after the approval of IMVAMUNE in EU and Canada.

Financial items totaled a net income of DKK 6 million (DKK 5 million net expense), mainly related to exchange rate adjustments.

Income before tax was a loss of DKK 64 million (loss of DKK 43 million). The company recorded a loss before tax of DKK 68 million for the second quarter of 2014 (loss of DKK 2 million).

Tax on income was an income of DKK 10 million (income of DKK 4 million).

For the first six months of 2014, Bavarian Nordic reported a net loss of DKK 54 million (net loss of DKK 39 million).

As of June 30, 2014 the Group's cash preparedness was DKK 423 million (DKK 695 million), including unutilized credit lines of DKK 120 million (DKK 120 million). Cash flow from operating activities was DKK -170 million (DKK 82 million). Cash flow from investment activities was DKK -61 million (DKK -137 million) and cash flow from financing activities was DKK -2 million (DKK -5 million). The net change in cash and cash equivalents was negative by DKK 232 million (DKK -60 million).

The Group's equity as of June 30, 2014 stood at DKK 925 million (DKK 966 million).

# **Financial Expectations**

The Company maintains its 2014 full-year financial expectations with revenue at the level of DKK 1,200 million and a break-even result before interest and tax (EBIT). The cash preparedness at year-end is expected to be approximately DKK 600 million.

The Infectious Disease division is expected to generate an EBIT of approximately DKK 400 million and the Cancer Immunotherapy division is expected to generate a negative EBIT of approximately DKK 400 million.

As previously communicated, the overall contribution margin on IMVAMUNE sales for the full year is expected to be at the same level as 2013.

Research and developments costs are expected to amount to approximately DKK 600 million, cf. table below.

## Research and development costs

DKK 600 million

Of which:		
Contract costs recognized as production costs	DKK	110million
Capitalized development costs	DKK	50 million
	DKK	440million

Expensing (amortization) of prior-year costs attributable to				
the IMVAMUNE development project	DKK	50million		
Research and development costs recognized in P&L	DKK	490million		

## **Significant Risks and Uncertainties**

Bavarian Nordic faces a number of risks and uncertainties, common for the biotech industry. These relate to operations, research and development, manufacturing, commercial and financial activities. For further information about risks and uncertainties which Bavarian Nordic faces, refer to page 22 "Risk Management" in the 2013 annual report.

Since the publication of the 2013 annual report, the overall risk profile of the Company remains unchanged.

# Our Company

Bavarian Nordic is an international biotechnology company developing and manufacturing novel cancer immunotherapies and vaccines for infectious diseases. Our long-standing partnership with the U.S. Government on the development and supply of IMVAMUNE smallpox vaccine, as well as a series of development contracts for other biodefense targets, have facilitated the establishment of both a highly specialized organization and a multi-product manufacturing infrastructure with the ability to produce and deliver commercial-scale quantities of vaccines. These attributes have set the stage for a sustainable business, allowing Bavarian Nordic to retain and increase value in the Company.

# Pipeline

## **Cancer Immunotherapy**

Indication	Program	Status
Prostate cancer	PROSTVAC®	Phase 3
Colorectal cancer	CV-301 colon	Phase 2
Bladder cancer	CV-301 bladder <sup>1)</sup>	Phase 2 NEW
Breast cancer	CV-301 breast <sup>1)</sup>	Phase 2
Multiple cancers	MVA-BN <sup>®</sup> Brachyury <sup>1)</sup>	Phase 1 NEW
Prostate cancer	MVA-BN <sup>®</sup> PRO	Phase 1/2
Breast cancer	MVA-BN <sup>®</sup> -HER2	Phase 1/2

## Infectious Diseases

Indication	Program	Status
Smallpox	IMVANEX/IMVAMUNE <sup>®</sup> liquid-frozen <sup>1-4)</sup>	Approved / Phase 3
Smallpox	IMVAMUNE <sup>®</sup> freeze-dried <sup>1)</sup>	Phase 2
Anthrax	MVA-BN <sup>®</sup> Anthrax <sup>1)</sup>	Preclinical
Filoviruses: Marburg/Ebola	MVA-BN <sup>®</sup> Filo <sup>1)</sup>	Preclinical
Foot-and-mouth disease	MVA-BN <sup>®</sup> FMDV <sup>1)</sup>	Preclinical
Respiratory syncytial virus (RSV)	MVA-BN <sup>®</sup> RSV	Preclinical

1) Government funded programs

2) Sold to government stockpiles

3) Approved in the European Union under the trade name IMVANEX<sup>®</sup> and in Canada under the trade name IMVAMUNE<sup>®</sup>

4) Phase 3 registration studies are ongoing in the United States

# **Our Strategy**

Bavarian Nordic's strategic ambition is focused on growth strategies that will allow it to become a successful, sustainably revenue-generating biotechnology company. Leveraging the Company's flexible manufacturing facility and expertise in the research and development of poxvirus-based vaccines and cancer immunotherapies, the company is well positioned to maximize future market opportunities.

The Company has built its foundation around MVA-BN - its proprietary, flexible poxvirus-platform that has the potential to support a broad product pipeline in both infectious diseases vaccines and cancer immunotherapies. Bavarian Nordic's smallpox vaccine, IMVAMUNE, has generated significant revenue to date, and the Company is currently developing an innovative freeze-dried formulation of the vaccine to pursue a potential additional long-term supply contract with the U.S. Government. The Company is also applying its expertise in infectious diseases to advance its pipeline of product candidates for other biological threats to national security (e.g. Ebola, Marburg and anthrax) and high unmet medical needs areas (e.g. RSV).

To meet the growing need for innovative cancer therapies, Bavarian Nordic has also developed a robust cancer immunotherapy portfolio, which includes the Phase 3 asset PROSTVAC. Cancer immunotherapies are widely considered to represent a promising and novel therapeutic approach, one which is projected to be an important component of future cancer treatment. The Company's cancer immunotherapy portfolio offers tremendous potential in a marketplace seeking improved patient outcomes through the effective combination of synergistic therapies.

The Company's overall strategy to achieve these ambitions is based on the following main parameters:

- Maintain global leadership in smallpox preparedness and build a long-term revenue stream based on worldwide sales of IMVANEX/IMVAMUNE
- License and commercialize PROSTVAC globally through partnerships
- Establish a global leadership position in the rapidly growing field of cancer immunotherapy by expanding our pipeline and introducing new combinations involving cancer immunotherapies
- Utilizing the core poxvirus vaccine platforms expand the infectious disease vaccine pipeline to meet high unmet medical needs
- Maintain leadership in poxvirus manufacturing globally, and establish a flexible manufacturing facility and competences to meet the Company's production requirements in the short, medium and long-term

# **Our Short-term Objectives**

## PROSTVAC

- Complete enrollment in the PROSPECT Phase 3 clinical study (H2, 2014)
- Advance clinical studies exploring the potential of PROSTVAC in combination with checkpoint inhibitors
- Validate the PROSTVAC manufacturing process and prepare launch material from the recently established multi-purpose manufacturing facility in Denmark

## CV-301

• Finalize clinical development plan for prioritized indications for CV-301 (H2, 2014)

## IMVANEX/IMVAMUNE

- Secure the second portion of IMVAMUNE delivery contract with the U.S. government (USD 118 million) (H2, 2014)
- Secure orders from the rest of the world
- Initiate final Phase 3 study of IMVAMUNE (H2, 2014)
- Complete Phase 2 study of freeze-dried IMVAMUNE to support a pre-EUA submission (Emergency Use Authorization; a requirement for stockpiling) (2015)
- Complete transfer of validated freeze-dried manufacturing process to a commercial scale facility

RSV

• Submit Investigational New Drug application for MVA-BN RSV followed by initiation of Phase 1 study (2015)

## Ebola

• Continue discussions with the U.S. Government regarding a clinical development pathway for MVA-BN Ebola vaccine candidates

# Cancer Immunotherapy

Targeted immunotherapy candidates for the treatment of cancer are part of a promising field of research which harnesses the natural power of the immune system to fight the disease. By eliciting a robust and broad anticancer immune response, immunotherapies may decrease the tumor growth rate, potentially resulting in a prolonged overall survival while maintaining a favorable risk-benefit profile. This offers a strong scientific rationale to evaluate active immunotherapy not only as monotherapy but also in combination with other treatments, including immune checkpoint inhibitors, hormonal therapy, and radiation therapy.

Bavarian Nordic's lead product candidates, PROSTVAC and CV-301, are being developed under cooperative research and development agreements (CRADAs) with the U.S. National Cancer Institute (NCI). The development programs of PROSTVAC and CV-301 have included more than 1,100 clinical trial subjects treated for varying oncology indications including prostate cancer, colorectal, breast, ovarian and pancreatic cancers. In addition, the Company has conducted Phase 1/2 clinical studies of MVA-BN based product candidates for prostate and breast cancer and recently initiated a Phase 1 study, in collaboration with the NCI, of MVA-BN Brachyury, a new product candidate designed to target the Brachyury antigen, which is overexpressed in multiple cancers.

## A poxvirus-based immunotherapy platform

PROSTVAC and CV-301 both employ the poxvirus-based technology, VF-TRICOM, which includes a vacciniabased priming dose (V) followed by multiple fowlpox-based boosting doses (F), and incorporates 3 human immune costimulatory molecules (TRICOM) engineered to enhance immune system response to the tumor target. Both the priming and boosting doses encode one or more tumor-associated antigens, intended to activate the body's immune system against these antigens. The data from clinical studies conducted to date suggest that this heterologous prime/boost regimen leads to an anticancer immune response of greater magnitude and quality than regimens using only a homologous repeating treatment approach.

# PROSTVAC - Prostate Cancer Active Immunotherapy Candidate

PROSTVAC is a PSA-targeted immunotherapy candidate, currently in Phase 3 development for the treatment of patients with asymptomatic or minimally symptomatic metastatic castration-resistant prostate cancer (mCRPC). A robust data package has been established that includes 11 ongoing or completed clinical Phase 1 and Phase 2 studies, where more than 300 patients have been treated, and the immunotherapy candidate has been generally well-tolerated. A randomized, placebo-controlled Phase 2 study<sup>1</sup> demonstrated the ability of PROSTVAC to extend the median overall survival by 8.5 months in patients with advanced prostate cancer. These results led to the initiation of a pivotal Phase 3 clinical trial (PROSPECT). Other clinical studies of PROSTVAC in combination with immune checkpoint inhibitors, radiation, hormonal therapy or chemotherapy, either concomitantly or sequentially, have indicated possible therapeutic synergies for these treatment combinations.

## The PROSPECT Phase 3 study

The PROSPECT study is a global randomized, double-blind, placebo-controlled study, which is expected to enroll 1,200 patients with asymptomatic or minimally symptomatic mCRPC. The study is being conducted under a Special Protocol Assessment agreement with the FDA. The study is active at approximately 200 investigative sites in 15 countries and is expected to be fully enrolled by year-end 2014.

The primary objective of the PROSPECT study is to determine whether the overall survival of patients receiving PROSTVAC (with or without the addition of granulocyte macrophage colony-stimulating factor; GM-CSF), is superior to that of patients receiving placebo (controls).

Interim analyses of the study, agreed with the FDA, will evaluate whether the results provide opportunity for filing for approval before final data are available.

## Other ongoing PROSTVAC clinical studies

PROSTVAC is currently the subject of three NCI-sponsored Phase 2 clinical studies.

• PROSTVAC combined with enzalutamide to treat metastatic castration-resistant prostate cancer. Enzalutamide is a next-generation androgen deprivation therapy approved by the FDA in 2012. The study

<sup>&</sup>lt;sup>1</sup> Kantoff-P et al.: Overall survival analysis of a phase II randomized controlled trial of a poxviral-based PSA-targeted immunotherapy in metastatic castration-resistant prostate cancer. J Clin Oncol. 28:1099-1105, 2010.

is expected to enroll 76 patients who will be randomized to receive enzalutamide with PROSTVAC treatment or enzalutamide only. The primary endpoint is progression-free survival.

- PROSTVAC combined with enzalutamide to treat non-metastatic castration sensitive prostate cancer. The study is expected to enroll 38 patients who will be randomized to receive enzalutamide with PROSTVAC treatment or enzalutamide alone. The primary endpoint will be based on PSA kinetics (tumor re-growth rate after enzalutamide is discontinued).
- PROSTVAC combined with flutamide (anti-androgen therapy) versus flutamide alone in 62 patients with non-metastatic prostate cancer. The study is fully enrolled and awaiting final data. Results from 41 patients indicate an improvement in time to progression (TTP) for those patients receiving PROSTVAC in combination with flutamide (median TTP = 192 days) compared to flutamide alone (median TTP = 108 days).

### New evidence for mechanism of action of PROSTVAC

At the 2014 ASCO Annual Meeting in June, Bavarian Nordic presented new evidence elucidating the mechanism of action of PROSTVAC. In preclinical models, PROSTVAC demonstrated significant enhancement of highly functional PSA-specific tumor-killing T cell responses compared to dosing with placebo viral vectors. Additionally, increased numbers and improved quality of activated PSA-specific T cells were observed following treatment with the PROSTVAC prime and boost regimen compared to single viral vector dosing regimens. PROSTVAC elicited broad, highly functional T cell immunity directed initially to PSA expressing tumor cells, which then expanded via antigen spreading to include T cell immune responses against endogenous tumor antigens not targeted by the immunotherapy.

### Construction of new PROSTVAC manufacturing completed

Bavarian Nordic has achieved an important milestone with the completion of its new production unit, thus successfully transforming the Kvistgaard manufacturing site into a multi-product facility, designed to accommodate the future commercial production of IMVANEX/IMVAMUNE, PROSTVAC and other pipeline products. The new manufacturing unit is now being validated and test production is expected to commence shortly.

## CV-301 - an Active Immunotherapy Candidate with Potential in Multiple Cancers

CV-301 is an active cancer immunotherapy candidate which targets two tumor-associated antigens (CEA and MUC-1) that are over-expressed in major cancer types, including colorectal, bladder, lung and breast cancer. CV-301 and its precursors have been tested in 16 ongoing or completed NCI-sponsored clinical studies in colorectal, breast and other cancers, and more than 400 patients have been treated with the product candidate.

Combination treatments continue to play an ever more important role in the rapidly changing cancer treatment paradigm. The synergistic benefit seen with PROSTVAC in combination settings may also apply to CV-301, which will be part of the ongoing assessment of the CV-301 development plan and prioritization of potential indications that is planned to be finalized during 2014.

#### CV-301 in bladder cancer

In April, the NCI initiated a randomized, prospective Phase 2 study of CV-301 alone or in combination with BCG (Bacillus Calmette-Guerin) treatment in bladder cancer. Because CV-301 immunotherapy targets the MUC-1 and CEA antigens, CV-301 is thought to activate a potent antitumor immune response against bladder cancer cells which express these antigens. Together with a BCG-induced immune response, the combination therapy has the potential to improve survival in patients whose disease has progressed following an induction course of BCG.

The study is expected to enroll 54 patients with high grade non-muscle invasive bladder cancer whose cancer has progressed after initial BCG treatment. The primary endpoint is to determine if there is an improvement in disease-free survival for patients receiving CV-301 immunotherapy in combination with BCG treatment compared to those receiving BCG treatment alone.

## Bavarian Nordic's Cancer Immunotherapy Platform and Checkpoint Inhibitors

At the 2014 ASCO Annual Meeting in June, Bavarian Nordic presented new data highlighting the potential for additive or synergistic benefit in anti-cancer efficacy by combining Bavarian Nordic's immunotherapy with immune checkpoint inhibitors.

In primary and metastatic preclinical tumor models, anti-tumor efficacy was significantly improved when the immunotherapy candidate MVA-BN-HER-2 was combined with immune checkpoint inhibitors. Combining MVA-BN-HER-2 with anti-PD-1 and anti-LAG-3 antibodies resulted in complete tumor regression. The combination of immune checkpoint inhibitors with MVA-BN-HER-2 immunotherapy represents an exciting avenue of cancer research that will potentially offer improved clinical benefit.

In another preclinical tumor model, the combination of MVA-BN-HER2 with CTLA-4 blockade demonstrated significantly improved median overall survival (p<0.001). MVA-BN-HER-2 induced a robust, functional tumor-infiltrating T cell response that was augmented significantly in combination with CTLA-4 immune checkpoint inhibition, and that led to improved survival.

The combination of active immunotherapy and checkpoint inhibitors was also previously investigated in a clinical Phase 1 combination study of PROSTVAC and ipilimumab, which resulted in hypothesis-generating data that combining poxvirus-based immunotherapy with immune checkpoint inhibitors, such as ipilimumab was associated with a favorable overall survival compared to that predicted by clinical nomogram for men with metastatic castration resistant prostate cancer.

# MVA-BN<sup>®</sup> Brachyury

MVA-BN Brachyury is a novel, active immunotherapy developed using Bavarian Nordic's proprietary validated MVA platform. It is designed to induce a robust T cell immune response against Brachyury, a tumor-associated antigen which is overexpressed in major solid tumor indications. Brachyury is reported to play a key role in the metastasis and progression of tumors. Tumors which overexpress Brachyury are believed to be highly resistant to current therapies and are associated with decreased survival rates.

In July, the NCI initiated a Phase 1 study of MVA-BN<sup>®</sup> Brachyury in patients with advanced cancer. The study is an open label, Phase 1 trial that will enroll patients with advanced cancer into three cohorts (3-6 patients per dose cohort) with dose escalation of MVA-BN Brachyury. Additional patients may be enrolled at the maximum tolerated dose. The objective of the study is to determine the safety and tolerability of escalating doses of MVA-BN Brachyury and to evaluate immunologic responses as measured by an increase in Brachyury-specific T cells.

# **Infectious Diseases**

The successful long-term partnership with the U.S. Government on the development of the IMVANEX/IMVAMUNE smallpox vaccine is a key driver for Bavarian Nordic. The Company has been delivering the vaccine to the U.S. Strategic National Stockpile (SNS) for emergency use since 2010. Contracts with the U.S. Government awarded to date for the development and supply of the vaccine exceed USD 1 billion, including awards to advance MVA-BN as a broad platform for the development of medical countermeasures against other potential biological threats.

Significant ongoing contracts include:

- A USD 549 million contract (RFP-3) for the development, registration and delivery of 20 million doses of IMVAMUNE to the SNS. Awarded in 2007 by the Biomedical Advanced Research and Development Authority (BARDA), a division of the U.S. Department of Health and Human Services (HHS). Deliveries were completed in 2013, but clinical development is still ongoing. In July 2014, the contract was modified, increasing the value by USD 1 million to further support the ongoing studies of long-term storage of frozen Bulk Drug Substance (BDS)
- A contract valued at up to USD 228 million for the delivery of 8 million doses of IMVAMUNE to the SNS. Awarded in April 2013 by BARDA
- A contract valued at up to USD 95 million for the development of a freeze-dried version of IMVAMUNE. Awarded in 2009 by BARDA

For a detailed overview of ongoing and completed contracts, see table 1 in the appendix (page 23).

# IMVANEX<sup>®</sup> / IMVAMUNE<sup>®</sup> Smallpox Vaccine (MVA-BN)

IMVANEX is approved in the European Union for use in the adult population in general. The vaccine is also approved in Canada under the trade name IMVAMUNE, for use in a public health emergency in adults who are contraindicated to replicating smallpox vaccines (e.g. people with HIV and atopic dermatitis). Registration studies are ongoing in the U.S.

IMVANEX is an important component of any national smallpox preparedness plan, as traditional replicating vaccines are not sufficient to protect the entire population or to implement a successful pre-event vaccination program for first-line responders and military.

In clinical trials to date, more than 7,400 individuals have been vaccinated with IMVAMUNE, which has been well-tolerated. The vaccinated subjects include almost 1,000 individuals with HIV or atopic dermatitis.

The development of IMVAMUNE is funded by the U.S. Government, through contracts with BARDA and the National Institutes of Health (NIH).

#### Canadian government procures IMVAMUNE

In August, Bavarian Nordic signed two contracts with the Canadian authorities for the delivery of a total of 65,700 doses of IMVAMUNE smallpox vaccine. The vaccines will be delivered in 2014 and 2015.

Following a public tender, the Public Health Agency of Canada awarded Bavarian Nordic a contract to deliver 45,700 doses of IMVAMUNE with the option to deliver an additional 314,300 doses. This contract represents the first commercial contract awarded by the Canadian authorities to Bavarian Nordic after receiving approval of IMVAMUNE by Health Canada in 2013.

Secondly, the Canadian Department of National Defence, through exercise of an option under an ongoing contract, has ordered 20,000 doses of IMVAMUNE smallpox vaccine to replace the current stockpile for the Canadian Armed Forces. This contract was awarded in 2008 with initial deliveries of 20,000 doses in 2009, followed by a replacement order in 2012. Under this contract, an option of an additional 140,000 doses remains.

### Deliveries to the U.S. Strategic National Stockpile

Bavarian Nordic has been delivering IMVAMUNE to the U.S. Strategic National Stockpile (SNS) for emergency use since 2010. A total of 24 million doses have been delivered, including 0.9 million doses during the second quarter of 2014.

An additional 4 million doses are pending delivery upon BARDA's exercise of the second option under the contract that was awarded in 2013. The option valued at USD 118 million is expected to be secured in the second half of 2014 and deliveries are expected to be completed by year-end 2014.

## Future smallpox vaccine orders from the U.S.

Bavarian Nordic is well positioned for future delivery contracts with the U.S. Government beyond those currently in place. By awarding the contract to develop a freeze-dried formulation of IMVAMUNE, the U.S. Government signaled its strong desire to develop a potentially improved formulation of IMVAMUNE that can be procured and stockpiled for emergency use in the SNS.

Under the contract, the Company has validated the freeze-dried manufacturing process and shown the freezedried formulation to induce an equivalent immune response and efficacy as the current liquid frozen formulation in numerous preclinical models. In April 2014, the U.S. Government exercised an option at a value of USD 21.9 million under the contract to fund the transfer of the validated manufacturing process to a new manufacturing line with a larger commercial capacity in preparation for future production of this formulation of the vaccine.

Data to support the clinical requirements for emergency use of the freeze-dried vaccine in the U.S. are currently being finalized and will expectedly be submitted to the FDA in 2015.

These activities will potentially support the production and supply of freeze-dried IMVAMUNE in 2016. Procurement would need to be conducted through a new contract, for which the Company expects to initiate dialogue with the U.S. Government in 2014.

### Phase 3 registration trials in the U.S.

To support the registration of IMVAMUNE in the U.S., two Phase 3 studies have been agreed upon with the FDA; a lot consistency study in 4,000 healthy individuals and a study in 440 military personnel, designed to demonstrate non-inferiority between IMVAMUNE and ACAM2000, the current U.S. licensed smallpox vaccine.

In the first Phase 3 study, a total of 3,000 people were vaccinated with three different lots of IMVAMUNE (1,000 subjects per IMVAMUNE lot). The safety data from the 3,000 subjects receiving IMVAMUNE in this study will be compared with 1,000 additional subjects receiving placebo. Data from the trial are expected in 2015.

The second Phase 3 study comparing the safety and immunogenicity of IMVAMUNE to the U.S. licensed smallpox vaccine is expected to initiate enrollment in the second half of 2014 at a U.S. military garrison in South Korea.

While Bavarian Nordic proceeds with the clinical trials, the overall licensing package, including the supporting preclinical data, will have to be agreed with the FDA and later ratified by a Vaccines-Related Biological Product Advisory Committee.

# Recombinant MVA-BN Vaccine Candidates - Fully Government Funded

Bavarian Nordic has ongoing contracts with the National Institutes of Allergy and Infectious Diseases (NIAID), the Department of Homeland Security (DHS) and the Department of Defense (DOD) for the evaluation of recombinant MVA-BN vaccine candidates for other biological threats to national security, including anthrax, filoviruses (Ebola and Marburg), Burkholderia and foot-and-mouth disease virus (FMDV). The company is continuing to develop and produce recombinant vaccine constructs for preclinical development. Pending the outcome of these trials, additional government funding may be available to further develop successful vaccine candidates.

## Filovirus vaccine development (Ebola and Marburg viruses)

The current Ebola outbreak in West Africa has given rise to concern amongst authorities internationally. As no approved treatment or vaccine against the disease exists, attention has been drawn to several experimental drugs in development, including Bavarian Nordic's filovirus vaccine candidates, which is being developed to protect against both Marburg virus and the two Ebola viruses, Zaire and Sudan. The preclinical development of this vaccine candidate, sponsored by the NIH, has recently yielded positive results as complete protection against the Ebola virus was demonstrated in a setting with Bavarian Nordic's vaccine candidates. The NIH is now planning to advance the vaccine into clinical studies, with the initiation of a Phase 1 study in humans, anticipated in 2015.

## Foot-and-mouth disease (FMDV)

In July, the contract for the development of a recombinant MVA-BN-based vaccine against FMDV was expanded by USD 400,000 by DHS. The additional award will fund the optimization, generation and evaluation of additional recombinant MVA-BN vaccine candidates. As part of the original contract, Bavarian Nordic already generated a series of vaccine candidates using the MVA-BN vaccine platform; one candidate was selected for a proof of concept efficacy study to be conducted by DHS.

## **Commercial Vaccines**

## RSV (Respiratory Syncytial Virus)

The development of an RSV vaccine using the MVA-BN vaccine platform is a key opportunity to further diversify the infectious disease pipeline and address a high unmet medical, as currently there are no approved RSV vaccines. RSV is a major respiratory pathogen in infants, children, and adults and accounts for more than 180,000 hospitalizations every year in the US and results in more deaths in the elderly population than influenza. Bavarian Nordic's recombinant MVA-BN-based RSV vaccine candidate has been shown to induce a balanced humoral and cellular immune response against both RSV subtypes, without any signs of enhanced disease in preclinical models. Furthermore, the candidate has been shown to be highly efficacious in preclinical models, including in studies sponsored by the NIH. Following a positive pre-IND discussion with the FDA, an NIH sponsored toxicity study has been initiated that will support the filing of an IND and initiation of a Phase I study in healthy adults in 2015.

# Other Developments

## Paul Chaplin appointed President & CEO of Bavarian Nordic

In May, Paul Chaplin, Ph.D. was appointed new President and CEO of the Company. He replaced Anders Hedegaard who resigned to become the new CEO of GN ReSound A/S.

In 2000, Dr. Chaplin was appointed head of research at Bavarian Nordic and in 2004 he was appointed Executive Vice President. During his tenure, he has led the development program for the IMVAMUNE smallpox vaccine and has been responsible for the successful collaboration on this and other vaccines with the U.S. Government

throughout the years. Since 2010 he has held the position as Division President, Infectious Diseases. Under his leadership, Bavarian Nordic received its first product approval in 2013.

Prior to joining Bavarian Nordic in 1999, Dr. Chaplin worked in vaccine research with the Institute for Animal Health in UK and CSIRO, the Cooperative Research Centre for Vaccine Technology in Australia. He holds a Ph.D. in Immunology from Bristol University. He is a British national, born in 1967.

As part of the management changes, Executive Vice President and CFO Ole Larsen became registered manager with the Danish Business Authority.

## Gerard van Odijk elected as chairman of the board

In April, Gerard van Odijk, M.D. was elected new chairman of the board of Bavarian Nordic. He succeeded Asger Aamund who served as chairman since 1994. Furthermore Anders Gersel Pedersen, M.D. was elected deputy chairman of the board. Dr. van Odijk and Dr. Pedersen have served as board members in Bavarian Nordic since 2008 and 2010 respectively.

#### Share capital increase after exercise of warrants

In May, the Company's share capital was increased by nominally DKK 185,020 as a consequence of the exercise of employee warrants. After registration of the capital increase, Bavarian Nordic A/S' share capital amounts to DKK 261,128,630.

The exercise price for the new shares was DKK 114 per share of nominal DKK 10. The gross proceeds to Bavarian Nordic A/S from the capital increase amounted to DKK 2,109,228.00.

#### Bavarian Nordic issues warrants to management and certain employees

The Board of Directors in Bavarian Nordic A/S has today decided to award warrants to management and certain employees in the Company and its subsidiaries. The Board decision is made in accordance with the shareholder authorization for the Board of Directors adopted as Article 5b of the Articles of Association and the Company's guidelines regarding incentive programs. The award is made by the Board of Directors and exercise is limited by and governed by the Danish Act on Options for Employees (the Stock Option Act/aktieoptionsloven) regarding termination of employment prior to exercise of warrants.

A total of 505,000 warrants are awarded for subscription of up to 505,000 shares of a nominal value of DKK 10 at an exercise price of DKK 131.4 per share. The exercise price is established as the average share price ("closing price") for the Company's share in a period of 15 business days prior to this day added a 15 % premium. 51,950 of the issued warrants are reissued in accordance with Section 9 of Appendix 1 to the Articles of Association.

The warrants can be exercised wholly or partly in a period of 14 days commencing from the day of publication of the Company's financial report for the first nine months of 2017 and/or in a period of 14 days commencing from the day of publication of the following seven financial reports, ending with a period of 14 days commencing from the day of publication of the Company's half-year report for 2019.

Under this program the corporate management will receive a total of 90,000 warrants, other members of executive management a total of 40,000 warrants and certain employees in the Company and its subsidiaries, a total of 375,000 warrants.

Referring to the Danish Securities Act, Section 28a it is announced that the following people, obliged to notify the Company of transactions involving Bavarian Nordic securities, are awarded warrants:

CEO and President Paul Chaplin (50,000 warrants), CFO Ole Larsen (40,000 warrants) and executive vice president James Breitmeyer (40,000 warrants).

The value of each warrant equals DKK 29.1 and is calculated on the Black-Scholes model with a risk-free interest rate of 0.63 per cent and on the historical volatility of the shares. The calculation is based on a market value of the share of DKK 117.50 per share.

The award of warrants will incur consequential amendments to the Articles of Association.

# Statement from the Board of Directors and Corporate Management

The Board of Directors and Corporate Management have, today reviewed and approved the Bavarian Nordic A/S interim report for the period January 1 to June 30, 2014.

The interim report has been prepared in accordance with IAS 34 "Presentation of interim reports" as adopted by the EU and additional Danish disclosure requirements for interim reports of listed companies, including those of NASDAQ OMX Copenhagen. The interim report has not been audited or reviewed by the company's auditors.

In our opinion, the interim report gives a true and fair view of the group's assets and liabilities and financial position as of June 30, 2014 and the results of the group's activities and cash flows for the period January 1 to June 30, 2014.

In our opinion, the management's review provides a true and fair description of the development in the group's activities and financial affair, the results for the period and the group's financial position as a whole as well as a description of the most important risks and uncertainty factors faced by the group.

Kvistgaard, August 28, 2014

Corporate Management:

Paul Chaplin President and CEO Ole Larsen CFO

Board of Directors:

Gerard van Odijk Chairman of the Board Anders Gersel Pedersen Deputy chairman Claus Bræstrup

Erik G. Hansen

Peter Kürstein

# **Financial Statements**

# **Group Key Figures**

DKK million	1/4 - 30/6 2014	1/4 - 30/6 2013	1/1 - 30/6 2014	1/1 - 30/6 2013	1/1-31/12 2013
	un-audited	un-audited	un-audited	un-audited	audited
Income statements					
Revenue	164.5	350.4	450.4	556.1	1,212.5
Production costs	84.6	80.5	229.0	211.7	484.7
Research and development costs	102.3	208.8	191.6	282.3	496.6
Distribution costs	11.9	9.1	22.7	15.9	40.8
Administrative costs	38.8	42.0	76.8	83.8	157.0
Income before interest and taxes (EBIT)	(73.1)	10.0	(69.7)	(37.6)	33.4
Financial items, net	5.2	(12.1)	5.9	(5.1)	(27.2)
Income before company tax	(67.9)	(2.1)	(63.8)	(42.7)	6.2
Net profit for the period	(54.9)	(5.3)	(53.7)	(39.1)	(46.7)
Balance sheet					
Total non-current assets			582.1	556.0	551.8
Total current assets			673.1	941.6	900.4
Total assets			1,255.2	1,497.6	1,452.2
Equity			925.0	966.1	976.3
Non-current liabilities			82.7	95.1	86.7
Current liabilities			247.5	436.4	389.2
Cash flow statements					
Securities, cash and cash equivalents			302.5	574.6	532.1
Cash flow from operating activities			(169.5)	82.3	147.1
Cash flow from investment activities			(60.6)	(137.3)	(146.5)
- Investment in intangible assets			(31.0)	(40.0)	(111.0)
- Investment in property, plant and equipment	nt		(27.8)	(9.9)	(44.4)
Cash flow from financing activities			(2.1)	(4.5)	(7.1)
Financial Ratios (DKK) <sup>1)</sup>					
Earnings (basic) per share of DKK 10 <sup>2)</sup>	(2.1)	(1.5)	(1.8)		
Net asset value per share			35.4	37.0	37.4
Share price at period-end			124	59	89
Share price/Net asset value per share			3.5	1.6	2.4
Number of outstanding shares at period-end			26,113	26,094	26,094
Equity share			74%	65%	67%
Number of employees, converted to full-time,	at period-end		421	454	426

<sup>1)</sup> Earnings per share (EPS) is calculated in accordance with IAS 33 "Earning per share". The financial ratios have been calculated in accordance with "Anbefalinger og Nøgletal 2010" (Recommendations and Financial ratios 2010).

<sup>2)</sup> Due to issues of new shares (exercise of warrants) in May 2014 earnings per share for 2013 has been calculated based on the average number of shares for 2014 in accordance with IFRS 33.64.

## Notes

(stated in the end of this document):

- Accounting policies
  Significant accounting estimates, assumptions and uncertainties
- 3. Segment reporting
- 4. Revenue
- 5. Production costs
- 6. Research and development costs
- 7. Inventories
- 8. Other receivables
- 9. Other liabilities
- 10. Financial instruments
- 11. Related party transactions
- 12. Incentive plans

# **Income Statement**

DKK million	Note	1/4 - 30/6 2014	1/4 - 30/6 2013	1/1 - 30/6 2014	1/1 - 30/6 2013	1/1-31/12 2013
		un-audited	un-audited	un-audited	un-audited	audited
Revenue	4	164.5	350.4	450.4	556.1	1.212.5
Production costs	5	84.6	80.5	229.0	211.7	484.7
Gross profit		79.9	269.9	221.4	344.4	727.8
Research and development costs	6	102.3	208.8	191.6	282.3	496.6
Distribution costs		11.9	9.1	22.7	15.9	40.8
Administrative costs		38.8	42.0	76.8	83.8	157.0
Total operating costs		153.0	259.9	291.1	382.0	694.4
Income before interest and tax (E	BIT)	(73.1)	10.0	(69.7)	(37.6)	33.4
Financial income		6.3	(8.1)	8.0	0.3	6.6
Financial expenses		1.1	4.0	2.1	5.4	33.8
Income before company tax		(67.9)	(2.1)	(63.8)	(42.7)	6.2
Tax on income for the period		(13.0)	3.2	(10.1)	(3.6)	52.9
Net profit for the period		(54.9)	(5.3)	(53.7)	(39.1)	(46.7)
Earnings per share (EPS) - DKK <sup>1)</sup>						
Basic earnings per share of DKK 10		(2.1)	(0.2)	(2.1)	(1.5)	(1.8)
Diluted earnings per share of DKK 10	)	(2.1)	(0.2)	(2.1)	(1.5)	(1.8)

<sup>1)</sup> Due to issues of new shares (exercise of warrants) in May 2014 earnings per share and diluted earnings per share for 2013 has been calculated based on the average number of shares for 2014 in accordance with IFRS 33.64.

# Statement of comprehensive income

DKK million	1/4 - 30/6 2014	1/4 - 30/6 2013	1/1 - 30/6 2014	1/1 - 30/6 2013	1/1-31/12 2013
	un-audited	un-audited	un-audited	un-audited	audited
Net profit for the period	(54.9)	(5.3)	(53.7)	(39.1)	(46.7)
Items that might be reclassified to the					
income statement:					
Exchange rate adjustments, investments in					
subsidiaries	(2.6)	6.7	(2.6)	(2.0)	12.7
Fair value of financial instruments entered					
into to hedge future cash flow:					
Fair value adjustment for the period	-	0.2	-	0.5	0.7
Tax on other comprehensive income	-	-	-	(0.1)	(0.2)
Other comprehensive income after tax	(2.6)	6.9	(2.6)	(1.6)	13.2
Total comprehensive income	(57.5)	1.6	(56.3)	(40.7)	(33.5)

# Statement of financial position

DKK million	Note	30/6 2014	30/6 2013	31/12 2013
		un-audited	un-audited	audited
Assets				
Acquired patents and licenses		23.2	16.4	20.5
Software		4.1	4.2	3.2
IMVAMUNE development project		87.0	42.4	77.0
Intangible assets in progress		1.0	2.4	3.9
Intangible assets		115.3	65.4	104.6
Land and buildings		174.2	182.9	178.1
Leasehold improvements		1.0	0.8	1.3
Plant and machinery		73.2	92.4	82.8
Fixtures and fittings, other plant and equipment		22.6	26.2	21.3
Assets under construction		60.2	8.6	39.3
Property, plant and equipment		331.2	310.9	322.8
Other receivables		0.8	0.7	0.8
Financial assets		0.8	0.7	0.8
Deferred tax assets		134.8	179.0	123.6
Total non-current assets		582.1	556.0	551.8
Inventories	7	236.3	233.2	233.7
Trade receivables		105.8	111.0	110.1
Tax receivables		2.6	1.3	-
Other receivables	8	8.6	8.1	12.6
Prepayments		17.3	13.4	11.9
Receivables		134.3	133.8	134.6
Securities		187.9	280.6	185.3
Cash and cash equivalents		114.6	294.0	346.8
Securites, cash and cash equivalents		302.5	574.6	532.1
Total current assets		673.1	941.6	900.4
Total assets		1.255.2	1.497.6	1.452.2

# Statement of financial position

DKK million	Note	30/6 2014	30/6 2013	31/12 2013
		un-audited	un-audited	audited
Equity and liabilities				
Share capital		261.1	260.9	260.9
Retained earnings		620.1	657.2	652.0
Other reserves		43.8	48.0	63.4
Equity		925.0	966.1	976.3
Provisions		14.8	18.9	14.8
Credit institutions		67.9	76.2	71.9
Non-current liabilities		82.7	95.1	86.7
Credit institutions		8.5	9.0	8.5
Prepayment from customers		27.6	225.4	150.4
Trade payables		87.4	83.6	113.5
Company tax		-	0.3	0.5
Provisions		2.3	9.1	2.3
Other liabilities	9	121.7	109.0	114.0
Current liabilities		247.5	436.4	389.2
Total liabilities		330.2	531.5	475.9
Total equity and liabilities		1.255.2	1.497.6	1.452.2

# Statement of cash flow

DKK million	1/1 - 30/6 2014	1/1 - 30/6 2013	1/1-31/12 2013
	un-audited	un-audited	audited
Income before interest and tax (EBIT)	(69.7)	(37.6)	33.4
	(,	(0110)	
Depreciation, amortization and impairment losses	22.3	23.1	46.2
Expensing (amortization) of IMVAMUNE development project	17.6	118.3	148.0
Share-based payment	7.0	7.4	12.3
Adjustment for other non-cash items	(0.1)	(0.2)	0.2
Changes in inventories	(2.7)	(4.0)	(4.4)
Changes in receivables	0.7	(18.2)	(18.8)
Changes in provisions	0.1	(4.0)	(16.6)
Changes in current liabilities	(146.6)	(0.5)	(28.2)
Cash flow from operations (operating activities)	(171.4)	84.3	172.1
Received financial income	4.4	3.5	6.6
Paid financial expenses	(2.1)	(6.4)	(17.7)
Exchange rate adjustments intercompany accounts	2.5	1.9	(12.0)
Paid corporation taxes	(2.9)	(1.0)	(1.9)
Cash flow from operating activities	(169.5)	82.3	147.1
Investments in and additions to intangible assets	(31.0)	(40.0)	(111.0)
Investments in property, plant and equipment	(27.8)	(9.9)	(44.4)
Disposal of property, plant and equipment	-	-	1.8
Investments in/disposal of financial assets	-	-	(0.1)
Investments in/disposal of securities	(1.8)	(87.4)	7.2
Cash flow from investment activities	(60.6)	(137.3)	(146.5)
Payment on mortgage and construction loan	(4.2)	(4.5)	(7.1)
Proceeds through issue of new shares (warrants)	2.1	(4.5)	(7:1) -
Cash flow from financing activities	(2.1)	(4.5)	(7.1)
	(2.1)	(4.5)	(7.1)
Cash flow of the period	(232.2)	(59.5)	(6.5)
Cash as of 1 January	346.8	353.5	353.5
Currency adjustments 1 January	-	-	(0.2)
Cash end of period	114.6	294.0	346.8
Securities - highly liquid bonds	187.9	280.6	185.3
Credit lines	120.0	120.0	120.0
Cash preparedness	422.5	694.6	652.1

# Statement of changes in equity - Group

				Reserves for		
			Reserves for	fair value of		
	Share	Retained	currency	financial	Share-based	
DKK million	capital	earnings	adjustment	instruments	payment	Equity
Equity as of January 1, 2014	260.9	652.0	6.4	-	57.0	976.3
Comprehensive income for the period						
Net profit	-	(53.7)	-	-	-	(53.7)
Other comprehensive income						
Exchange rate adjustments,						
investments in subsidiaries	-	-	(2.6)	-	-	(2.6)
Total comprehensive income for						
the period	-	(53.7)	(2.6)	-	-	(56.3)
Transactions with owners						
Share-based payment	-	-	-	-	2.9	2.9
Warrant program exercised	0.2	2.9	-	-	(1.0)	2.1
Warrant program expired	-	18.9	-	-	(18.9)	-
Total transactions with owners	0.2	21.8	-	-	(17.0)	5.0
Equity as of June 30, 2014	261.1	620.1	3.8	-	40.0	925.0

				Reserves for		
			Reserves for	fair value of		
	Share	Retained	currency	financial	Share-based	
DKK million	capital	earnings	adjustment	instruments	payment	Equity
Equity as of January 1, 2013	260.9	683.0	(6.3)	(0.5)	62.6	999.7
Comprehensive income for the						
period						
Net profit	-	(39.1)	-	-	-	(39.1)
Other comprehensive income						
Exchange rate adjustments,						
investments in subsidiaries	-	-	(2.0)	-	-	(2.0)
Fair value of financial instruments	-	-	-	0.4	-	0.4
Total comprehensive income for						
the period	-	(39.1)	(2.0)	0.4	-	(40.7)
Transactions with owners						
Share-based payment	-	-	-	-	7.1	7.1
Warrant program expired	-	13.3	-	-	(13.3)	-
Total transactions with owners	-	13.3	-	-	(6.2)	7.1
Equity as of June 30, 2013	260.9	657.2	(8.3)	(0.1)	56.4	966.1

#### 1. Accounting policies

The interim report is prepared in accordance with IAS 34, Presentation of interim reports, as adopted by EU and the additional Danish requirements for submission of interim reports for companies listed on NASDAQ OMX Copenhagen.

The interim report is presented in Danish Kroner (DKK), which is considered the prime currency of the Group's activities and the functional currency of the parent company.

The accounting policies used in the interim report are consistent with those used in the Annual Report 2013 and in accordance with the recognition and measurement policies in the International Financial Reporting Standards (IFRS) as adopted by the EU and additional Danish disclosure requirements for the annual reports of listed companies. We refer to the Annual Report 2013 for further description of the accounting policies, including the definitions of financial ratios, calculated in accordance with "Anbefalinger og Nøgletal 2010" (Recommendations and Financial ratios 2010).

#### 2. Significant accounting estimates, assumptions and uncertainties

In the preparation of the interim report according to generally accepted accounting principles, Management is required to make certain estimates as many financial statement items cannot be reliably measured, but must be estimated. Such estimates comprise judgments made on the basis of the most recent information available at the reporting date. It may be necessary to change previous estimates as a result of changes to the assumptions on which the estimates were based or due to supplementary information, additional experience or subsequent events.

Similarly, the value of assets and liabilities often depends on future events that are somewhat uncertain. In that connection, it is necessary to set out e.g. a course of events that reflects Management's assessment of the most probable course of events.

Further to significant accounting estimates, assumptions and uncertainties which are stated in the Annual Report 2013, the Management has not performed significant estimates and judgments regarding recognition and measurement.

#### 3. Segment reporting

The Group consists of two primary business areas: Cancer Immunotherapy and Infectious Diseases and a Holding (not reportable segment). Holding covers costs of group management, investor relations, group finance, IT and legal. A large part of these costs are covered by the two operating segments through internal allocations.

Segment results reflect the results reported to the Company's chief operating management for the purposes of allocating resources and assessing segment performance.

Financials are not allocated to operating segments. Therefore, the "Income before interest and tax" is presented as target in segment reporting. Similar the balance sheet is not divided into operating segments, therefore total assets per operating segment do not appear. Investments in non-current assets are broken down by operating segments and disclosed in the note below.

The accounting policies applied for segment information are the same as the Group's accounting policies.

# Period 1/1 - 30/6 2014 (un-audited)

	Cancer			
	Immuno-	Infectious		
DKK million	therapy	Diseases	Holding	Total
IMVAMUNE sale	-	386.0	-	386.0
Contract work	-	64.4	-	64.4
Revenue	-	450.4	-	450.4
Depreciation, amortization and impairment losses	1.8	18.0	2.5	22.3
Income before interest and tax	(164.9)	131.5	(36.3)	(69.7)
Purchase/sale () of internal services	0.2	(0.2)	-	-
Distribution of the holding costs	4.5	22.4	(26.9)	-
Income before interest and tax after allocations	(169.6)	109.3	(9.4)	(69.7)
Investments	3.4	55.2	0.2	58.8

# Period 1/1 - 30/6 2013 (un-audited)

	Cancer			
	Immuno-	Infectious		
DKK million	therapy	Diseases	Holding	Total
IMVAMUNE sale	-	299.1	-	299.1
IMVAMUNE sale, development results	-	173.0	-	173.0
Contract work	-	84.0	-	84.0
Revenue	-	556.1	-	556.1
Depreciation, amortization and impairment losses	2.4	17.5	3.2	23.1
Income before interest and tax	(142.9)	153.4	(48.1)	(37.6)
Purchase/sale () of internal services	0.9	(0.9)	-	-
Distribution of the holding costs	6.5	23.2	(29.7)	-
Income before interest and tax after allocations	(150.3)	131.1	(18.4)	(37.6)
Investments	3.6	45.3	1.0	49.9

DKK million	1/4 - 30/6 2014	1/4 - 30/6 2013	1/1 - 30/6 2014	1/1 - 30/6 2013	1/1-31/12 2013
	un-audited	un-audited	un-audited	un-audited	audited
4. Revenue					
IMVAMUNE sale	131.9	133.3	386.0	299.1	839.1
IMVAMUNE sale, development results	-	173.0	-	173.0	173.0
Contract work	32.6	44.1	64.4	84.0	200.4
Sale of services	32.6	217.1	64.4	257.0	373.4
Revenue	164.5	350.4	450.4	556.1	1.212.5
5. Production costs					
Cost of goods sold, IMVAMUNE sale	63.1	53.6	192.6	125.9	328.1
Contract costs	16.5	23.8	31.2	50.1	105.2
Other production costs	5.0	3.1	5.2	35.7	51.4
Production costs	84.6	80.5	229.0	211.7	484.7
6. Research and development costs					
Research and development costs occured in					
the period	122.4	142.2	232.8	252.1	556.1
Of which:					
Contract costs recognized as production					
costs	(16.5)	(23.8)	(31.2)	(50.1)	(105.2)
Capitalized development costs	(9.5)	(27.8)	(27.6)	(38.0)	(102.3)
	96.4	90.6	174.0	164.0	348.6
Expensing (amortization) of prior-year					
costs attributable to the IMVAMUNE					
development project	5.9	118.3	17.6	118.3	148.0
Research and development costs	102.3	208.9	191.6	282.3	496.6

DKK million	30/6 2014	30/6 2013	31/12 2013
	un-audited	un-audited	audited
7. Inventories			
Raw materials and supply materials	12.8	15.7	14.9
Work in progress	255.9	256.3	237.3
Manufactured goods and commodities	35.5	22.7	50.0
Write-down on inventory	(67.9)	(61.5)	(68.5)
Inventories	236.3	233.2	233.7
Write-down on inventory 1 January	(68.5)	(31.5)	(31.5)
Write-down during the period	(11.5)	(42.8)	(53.9)
Use of write-down	-	2.5	2.5
Reversal of write-down	12.1	10.3	14.4
Write-down end of period	(67.9)	(61.5)	(68.5)

DKK million	30/6 2014	30/6 2013	31/12 2013
	un-audited	un-audited	audited
8. Other receivables			
Receivable VAT and duties	4.2	3.5	8.6
Financial instruments at fair value	1.0	-	-
Accrued interest	2.3	3.1	2.9
Other receivables	1.1	1.5	1.1
Other receivables	8.6	8.1	12.6
9. Other liabilities			
Financial instruments at fair value		5.1	0.7
Liability relating to phantom shares	6.8	0.8	2.7
Payable salaries, holiday accrual etc.	53.2	27.2	58.4
Other accrued costs	61.7	75.9	52.2
Other liabilities	121.7	109.0	114.0

#### 10. Financial instruments

#### Method and assumption to determine fair value

The Group has financial instruments measured at fair value at level 1 and level 2.

#### Securities (level 1)

The portfolio of publicly traded government bonds and publicly traded mortgage bonds is valued at listed prices and price quotas.

#### Derivative financial instruments (level 2)

Forward currency contracts and interest rate swaps are valued according to generally accepted valuation methods based on relevant observable swap curves and exchange rates.

Fair value hierarchy for financial instruments measured at fair value

#### As of June 30, 2014 (un-audited)

DKK million	Level 1	Level 2	Total
Securities	187.9	-	187.9
Financial assets measured at fair value in the income statement	187.9	-	187.9
Derivative financial instruments at fair value in the income statement			
(held for trading, currency)	-	1.0	1.0
Financial liabilities measured at fair value in the income statement	-	1.0	1.0

#### As of December 31, 2013 (audited)

DKK million	Level 1	Level 2	Total
Securities	185.3	-	185.3
Financial assets measured at fair value in the income statement	185.3	-	185.3
Derivative financial instruments at fair value in the income statement			
(held for trading, currency)	-	(0.7)	(0.7)
Financial liabilities measured at fair value in the income statement	-	(0.7)	(0.7)

#### 11. Related party transactions

The nature and extent of transactions with related parties remain unchanged from last year. Reference is made to the description in the Annual Report 2013.

#### 12. Incentive plans

## Outstanding warrants as of June 30, 2014

	Out- standing as of 1 January	Addition during the period	Options exercised	Annulled	Terminated	Trans- ferred	Out- standing as of June 30
Board of Directors	142,749	-	(4,000)	-	(20,084)	(21,733)	96,932
CEO & President	169,049	-	-	-	(32,117)	(36,733)	100,199
Group Management	328,572	-	-	-	(48,174)	(100,199)	180,199
Other employees	1,290,927	-	-	(104,527)	(159,746)	(52,467)	974,187
Retired employees	341,620	-	(14,502)	-	(89,059)	211,132	449,191
Total	2,272,917	-	(18,502)	(104,527)	(349,180)	-	1,800,708
Weighted average exercise							
price	99	-	114	94	114	-	96
Numbers of warrants which ca	n be exercised as	of June 30, 20	014				386,983
at an weighted average exerc	se price of DKK						212

The total recognized cost of the warrant programs was DKK 2.9 million in the first six months of 2014 (DKK 7.1 million).

#### Specification of parameters for Black-Scholes model

	Maj	Aug	Dec	Aug	Maj	Aug	Feb	Aug	Dec
DKK	2010	2010	2010	2011	2012	2012	2013	2013	2013
Average share price Average exercise price at	212.50	223.00	238.00	50.00	43.30	52.00	45.50	68.00	82.00
grant Average exercise price after	291.00	259.00	261.00	54.10	54.00	59.10	55.00	73.90	96.50
rights issue <sup>1)</sup>	216.00	192.00	194.00	-	-	-	-	-	-
Expected volatility rate	62.7%	57.2%	49.5%	73.4%	52.5%	50.0%	28.3%	36.4%	35.4%
Expected life (years)	3.0	3.0	3.0	3.3	3.3	3.3	3.1	3.3	3.3
Expected dividend per share	-	-	-	-	-	-	-	-	-
Risk-free interest rate p.a.	2.00%	0.77%	1.63%	1.08%	0.31%	-0.09%	0.22%	0.78%	0.74%
Fair value at grant <sup>2)</sup> Fair value after rights	72	76	78	24	13	16	6	16	17
issue <sup>3)</sup>	17	21	23	-	-	-	-	-	-
The expected volatility is base	ed on the his	torical vola	tility (over	12 months).					

<sup>1)</sup> Determined at date of rights issue 27 May 2011

<sup>2)</sup> Fair value of each warrant at grant applying the Black-Scholes model

<sup>3)</sup> Fair value of each warrant at date of rights issue 27 May 2011 applying the Black-Scholes model

# Appendix

# Table 1

Overview of ongoing and completed contracts with the U.S. Government as of June 30, 2014.

USD million		Р	'&L	Cash F	Flow
	Contract value	Revenue recognized	To be recognized	Received	To be received
IMVAMUNE: RFP-3	777	642	135	625	152
IMVAMUNE: RFP-2	116	115	1	115	1
IMVAMUNE: RFP-1	14	14	0	14	0
IMVAMUNE: Freeze-dried	95	40	55	39	56
Marburg	18	3	15	2	16
Foot-and-mouth	1	1	0	1	0
Burkholderia	1	0	1	0	1
TOTAL	1,022	815	207	796	226