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FY2021 Results Presentation Topics Healthcare Business

May 11, 2022



- 1. Corporate History
- 2. Performance Trends
- 3. Priority Measures
 - a) Diagnosis (POCT/non-POCT clinical test reagents)
 - b) Prevention (influenza vaccine)
 - c) Treatment (G47 Δ virus preparation for cancer treatment)
- 4. New Initiatives for the Next Management Plan

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Contributing to society as a specialty company dealing in a range of vaccines and test reagents **Established**



2. Performance Trends

Denka



Sales and Operating Income Trends in the Healthcare



In FY2020 and FY2021 sales skyrocketed for COVID-19 rapid antigen test kits

POCT sales almost doubled from pre-COVID levels despite a significant decrease when compared to FY2021



*POCT: Point of Care Testing. Testing performed by a medical professional in the presence of the examinee, providing shorter test times and more familiarity with the test to the examinee, contributing to prompt and accurate medical treatment, nursing care, disease prevention, and health promotion, and thereby improving the quality of medical care, quality of life (QOL), and satisfaction for the examinee.

3. Priority Measuresa) Diagnosis (POCT)

Denka

As a leading manufacturer, proactively adapting to rapid POCT business environment changes driven by COVID-19



*OTC: Drugs that can be purchased "over the counter" at pharmacies, drugstores, etc. without a prescription

*Self-testing: Testing conducted by a large organization, e.g. corporate, academic, military, rather than a medical institution

Achieving sales of non-POCT clinical test reagents via OEM and bulk supply to major platformers in Europe/North America as well as players in China, meeting growing global demand

CRP: 30% global market share



*Platformers: Companies that sell their own automated analyzers and specialized reagents

Decided to increase capacity to meet growing worldwide testing demand

РОСТ	Increasing facility capacity by Approx: 2.5x
Clinical test reagents (Non-POCT)	Increasing production capacity by Approx: 2x

Exterior view of the new manufacturing wing of the Gosen Site's Kagamida Plant (illustration)



Business, production, logistics process reform and automation through area expansion and digitalization



Strengthening cost competitiveness

Completion: Second half of 2024 / Investment: Approx. ¥11 billion



Denka



Supply volume significantly decreased due to degraded productivity among manufacturing strains and difficulties in procuring materials from COVID-19.

Stable demand even amid the COVID-19 pandemic

Four companies (including Denka) support social systems by manufacturing domestic influenza vaccines



Protecting Society from Influenza Providing More Vaccines, Faster

https://bookshelf.wisebook4.jp/html/denkawebbook/46094/#1

Significant increase in facility capacity enables faster and more stable supply FY2022 manufacturing target: 10 million vaccines (for approximately 20 million



- Launched March 2022
- Investment: Approx. ¥16 billion

Selection of manufacturing strains (Jan-Mar)

World Health Organization (WHO) expert meeting to determine recommended strains to be used in vaccines each year

The Ministry of Health, Labour and Welfare and the National Institute of Infectious Diseases select strains for production based on epidemic status, productivity of candidate production strains, and other factors

Productivity evaluation of candidate strains by four Japanese manufacturers

Influenza Vaccine Manufacturing Timeline



3. Priority Measures c) Treatment (G47 Δ Virus Preparation for Cancer Treatment)

June 2021	Daiichi Sankyo Company, Limited receives approval to manufacture and market a regenerative medicine product for the treatment of malignant glioma in Japan under conditional and time-limited approval
October 2021	Shipments begin from Denka to Daiichi Sankyo
November 2021	Daiichi Sankyo begins sales of a treatment for malignant glioma under the product name "DELYTACT® Injection" (Drug price: Approx: ¥1.43 million/1mL per vial) → Daiichi Sankyo-driven studies are underway for expanding its range of indications

World's first virus preparation for cancer treatment approved for malignant glioma



*DELYTACT is a registered trademark of Daiichi Sankyo Company, Limited.

Developing commercial production technology by integrating fundamental technologies cultivated in the vaccine and test reagent business



Aiming to develop a stable supply system and expand into the Contract Development and Manufacturing Organization (CDMO) business for viral preparations, etc.

IntelliPlex[™] System Features (PlexBio Taiwan)

- Multiple, simultaneous measurements
- High sensitivity •
- Compatible with both antigen/antibody (immunoassay) and genetic testing





Number of sepsis cases worldwide: 20-30 million/year

Strengthen collaboration to develop systems (reagents and instruments) for identifying pathogenic microorganisms and conducting genetic testing for drug-resistant bacteria in sepsis ~ Acquired 33.4% stake in PlexBio Co., Ltd. (2019) ~

Reagents

Contribute solutions to the global challenge of combating drug-resistant bacteria -Develop a proprietary **sepsis** diagnostic reagent

Diagnostic Instruments

Improve convenience in clinical settings -Produce fully automated equipment via joint development

*IntelliPlex and π Code are trademarks of PlexBio Co., Ltd.



Significant growth in the "Treatment" field





Respecting the Dignity of Life and Protecting People's Health

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Corporate Communications Dept, Denka Co., Ltd.

