Passion for Innovation.
Compassion for Patients.™



Vision, Business Plan and Progress

DAIICHI SANKYO CO., LTD.

Junichi Onuma Senior Director, IR Group

November, 15 2018

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Agenda



- About Daiichi Sankyo
- 2025 Vision and 5-Year Business Plan (5YBP)
- Revised Target for 5YBP



About Daiichi Sankyo

About Daiichi Sankyo



A Japanese Pharmaceutical Company

- Headquarters: Nihonbashi, Tokyo, Japan
- Chairman & CEO: Mr. George Nakayama
- President & COO: Dr. Sunao Manabe



- Revenue: US \$8.73 Bn (JPY 960.2 Bn)
- Operating profit: US \$694 Mn (JPY 76.3 Bn)*
- Listed on Tokyo Stock Exchange (Ticker code 4568)
 (ADR code DSNKY)
- Number of shares issued: 709 Mn
- Market cap: around US\$28Bn (@US\$39~40)

Our History - Road after the Merger



Sankyo

pravastatin

1899~

(Mevalotin/Pravachol)
antihyperlipidemic agent



1989

Daiichi

1915~

levofloxacin

(Cravit/Levaquin)

synthetic antibacterial agent



Daiichi Sankyo 2005~

Olmesartan

(Olmetec/Benicar)

antihynartansiya agant



Edoxaban

(Lixiana/Savaysa) anticoagulant agent

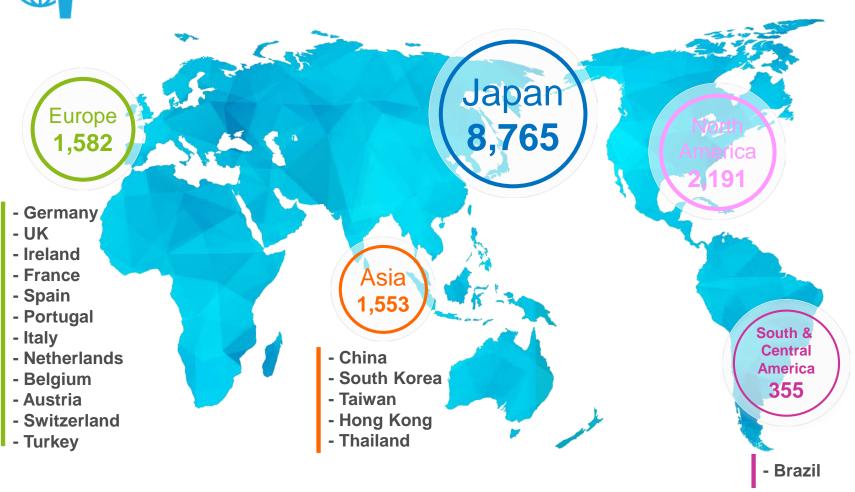


Employees and Bases





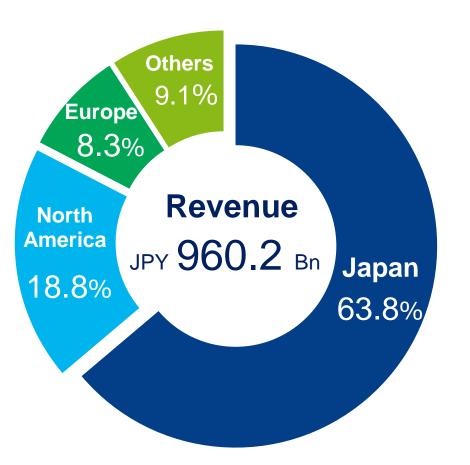
14,446 Worldwide Employees



FY2017 Financial Results



(Bn JPY)



Revenue	960.2	100.0%
Cost of Sales	346.0	36.0%
SG&A Expenses	301.8	31.4%
R&D Expenses	236.0	24.6%
Operating Profit	76.3	7.9%
Profit before Tax	81.0	8.4%
Profit attributable to owners of the Company	60.3	6.3%

Equity attributable to owners of the Company	1,133.0
Total assets	1,897.8
Ratio of equity attributable to owners of the Company to total assets	59.7%
ROE	5.2%



2025 Vision and 5-Year Business Plan (5YBP)

2025 Vision

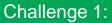


Global Pharma Innovator with Competitive Advantage in Oncology

- Build a specialty area* centered on oncology as the core business
- Enrich regional value aligned with market needs
- Create innovative products
 - change SOC (Standard of Care)
- Realize shareholder value through highly efficient management

5-Year Business Plan (FY2016 - FY2020)

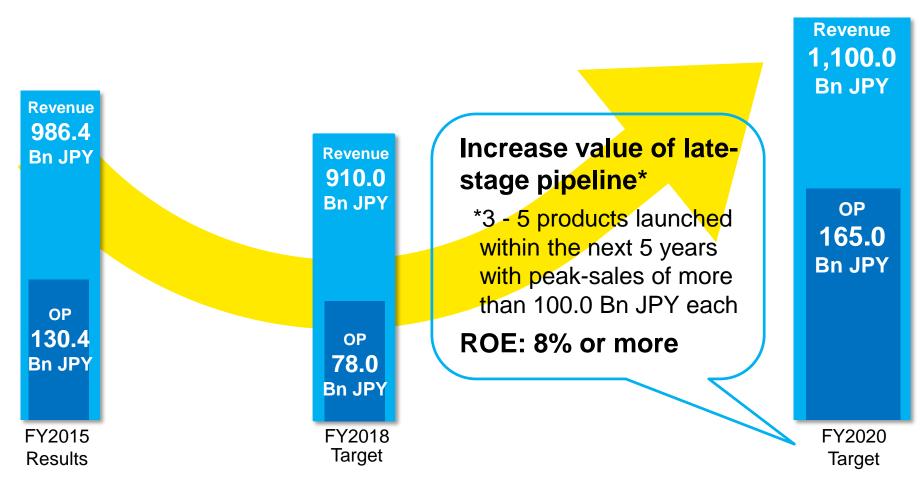




Grow beyond the LOE of olmesartan

Challenge 2:

Establish a foundation of sustainable growth



Strategic Targets





- Grow Edoxaban
- Grow as No.1 company in Japan
- Expand US Businesses
- Establish Oncology Business
- Continuously Generate Innovative Medicine Changing SOC (Standard of Care)
- Enhance Profit Generation Capabilities

Strategic Targets





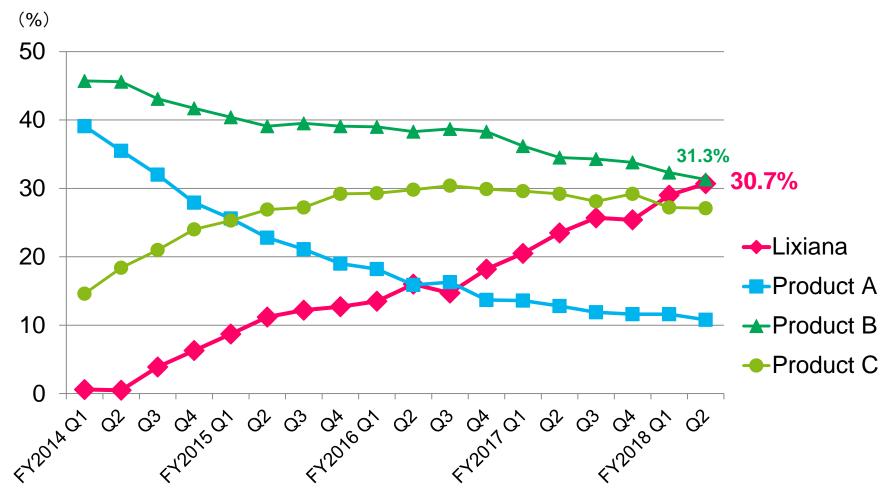
- Grow Edoxaban
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Edoxaban: Growth in Japan





 As of FY2018 Q2, Edoxaban (brand name in JP: Lixiana) closed in on No.1 sales share

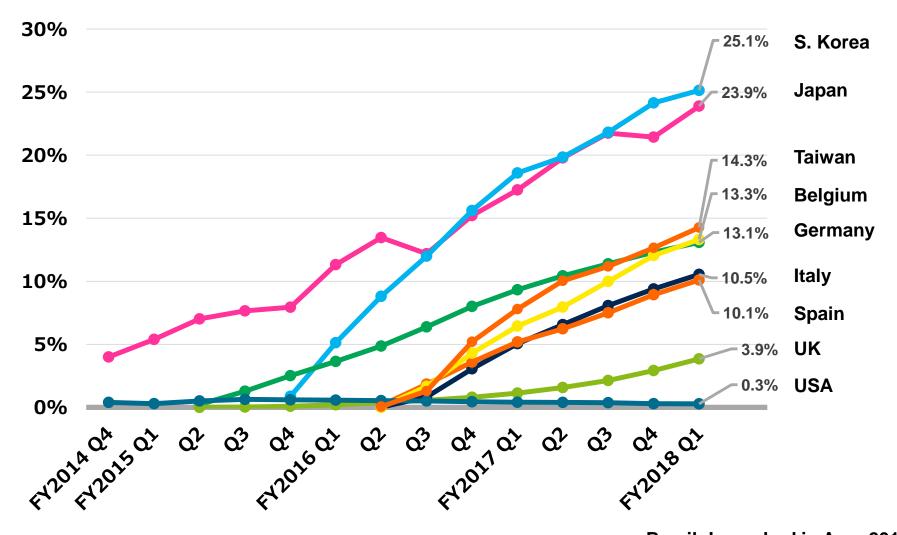


Edoxaban: Growth in Each Country/Region





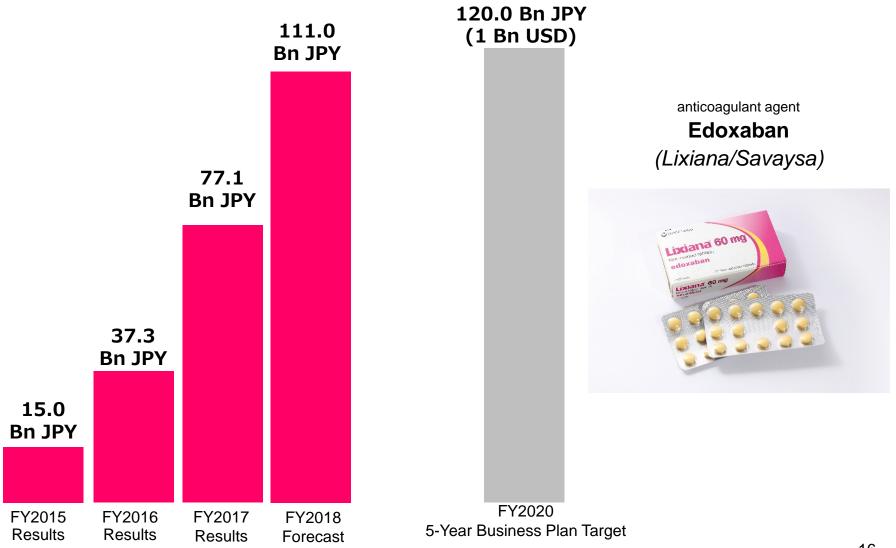
Edoxaban volume (DoT) % share of DOAC markets over time



Edoxaban: FY2020 Target



Expanding mainly in Japan, EU and Asia



Strategic Targets



~For establishing foundation of sustainable growth~

- Grow Edoxaban
- Grow as No.1 company in Japan
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Japan Business: 6 Major Products









Nexium

ulcer treatment



Memary

Alzheimer's disease treatment

Pralia

treatment for osteoporosis





antiplatelet agent



Ranmark

treatment for bone complication caused by bone metastases from tumors

Tenelia

type 2 diabetes mellitus inhibitor

Headwind of Drug Pricing System in JP

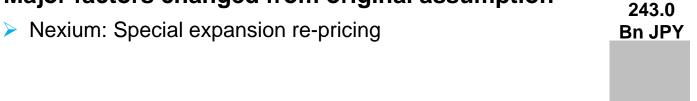


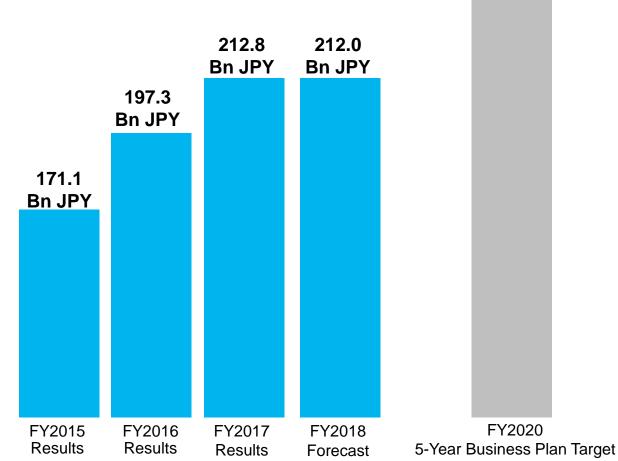
- Introduced Special expansion re-pricing
- Limited application of Price Maintenance Premium (PMP)
- Further price pressure on long-listed drugs
- Price revision may occur every year

Japan Business: 6 Major Products FY2020 Target









Strategic Targets



~For establishing foundation of sustainable growth~

- Grow Edoxaban
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Two Business Units in US





Daiichi Sankyo, Inc. (DSI) (Basking Ridge, NJ)

FY2018 revenue forecast: US\$ 281 Mn

With the LOE of key products, Daiichi Sankyo, Inc. will transition from a mature primary care company to one with a differentiated specialty portfolio centered on Pain and Oncology

Luitpold Pharmaceuticals, Inc. (LPI) (Shirley, NY)

FY2018 revenue forecast: US\$ 1,026 Mn

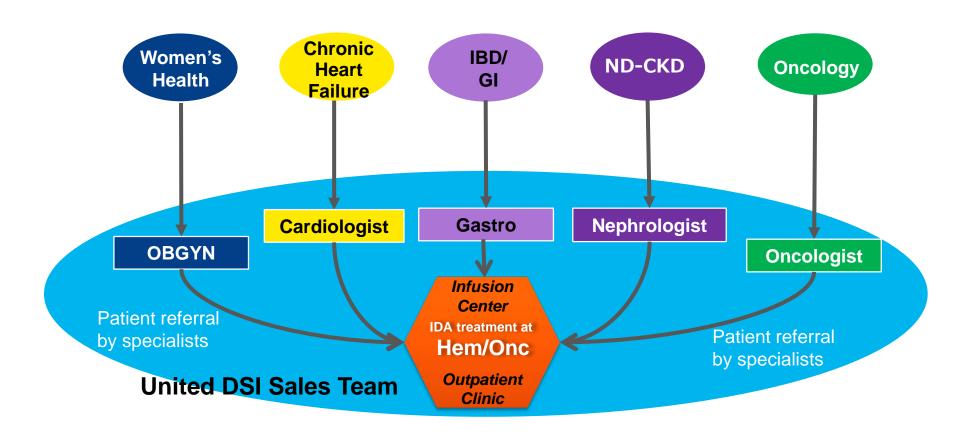
LPI successfully competes in high value specialty branded & generic injectable market segments with following franchises

- ➤ Iron Injectable Franchise
- ➤ Generic Injectable Franchise

Injectafer: Sales Team



In Jan. 2017, LPI sales team for Injectafer became DSI employees: Now DSI and LPI are a united sales team for Injectafer

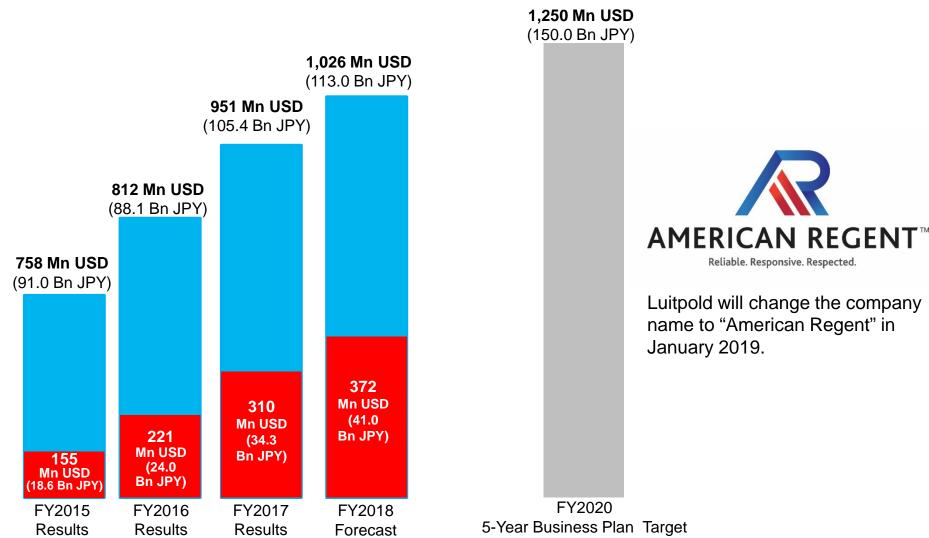


Luitpold Business: FY2020 Target

Injectafer



Realize rapid and sustainable growth with Iron franchise and Generic injectable franchise



Luitpold products excluding Injectafer

Pain Franchise: FY2020 Target

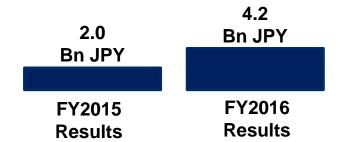


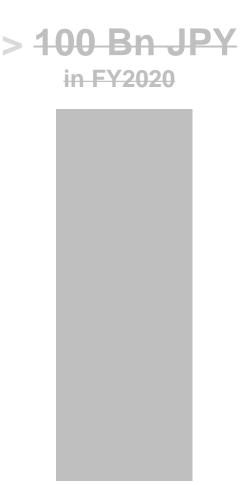
◆ CL-108

Decided to return all of rights regarding CL-108

Mirogabalin

Did not meet the primary efficacy endpoint





Strategic Targets

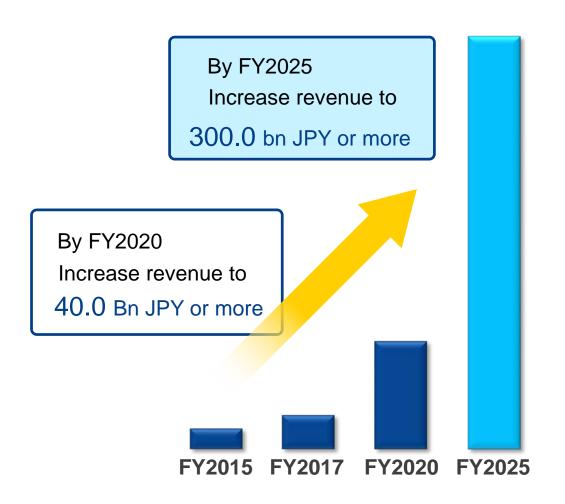




- Grow Edoxaban
- Grow as No.1 company in Japan
- Expand US Businesses
- Establish Oncology Business
- Continuously Generate Innovative Medicine Changing SOC (Standard of Care)
- Enhance Profit Generation Capabilities

Oncology Business: FY2020 Target







Current Progress of 5-Year Business Plan: Oncology Business



 Built 3 pillars of oncology business, ADC Franchise, AML Franchise and Breakthrough Science, and focus investments on the pillars



 Highly promising pipeline
 DS-8201, U3-1402 etc.



AML Franchise

 Rich pipeline Quizartinib etc.



Breakthrough Science

Rich pipeline
 Pexidartinib etc.

3

3

1

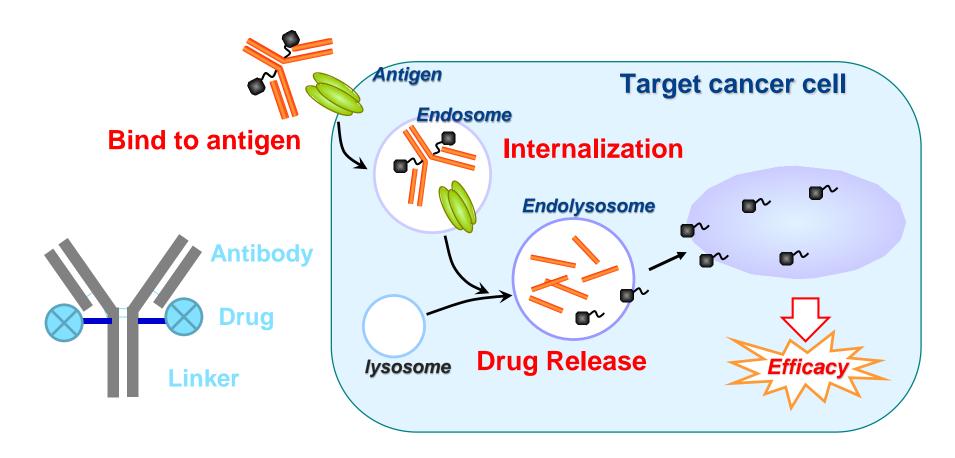
Cancer Enterprise 2025 Vision

7 new molecular entitles by 2025

ADC technology: Mode of Action (MOA)

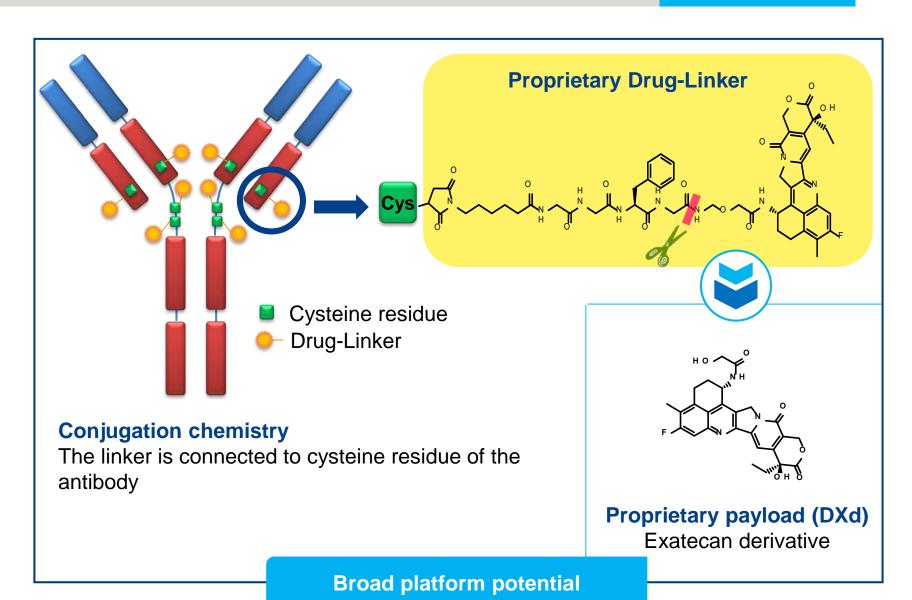


- ADC technology has broad application across multiple types of cancer
- Designed to deliver enhanced cancer cell destruction with less systemic exposure to chemotherapy



XDS's Proprietary ADC technology

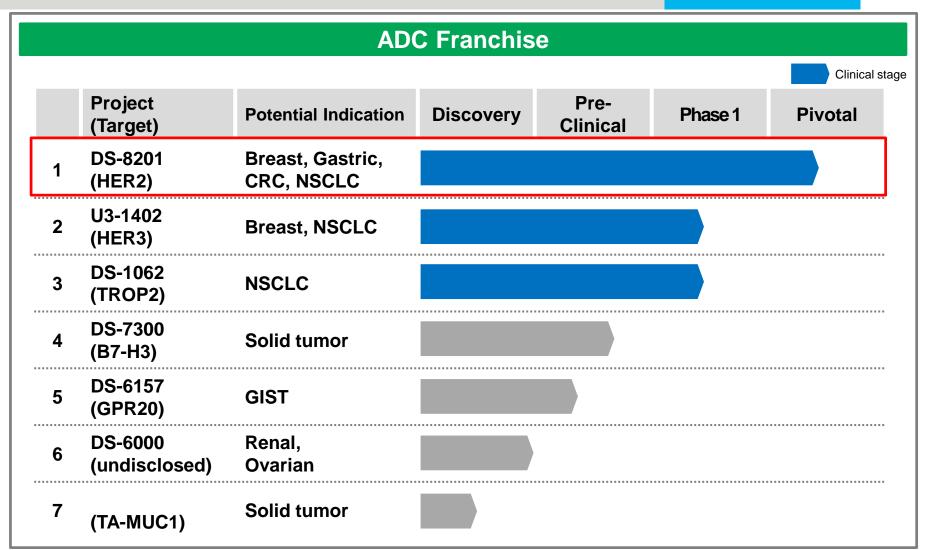






ADC Franchise



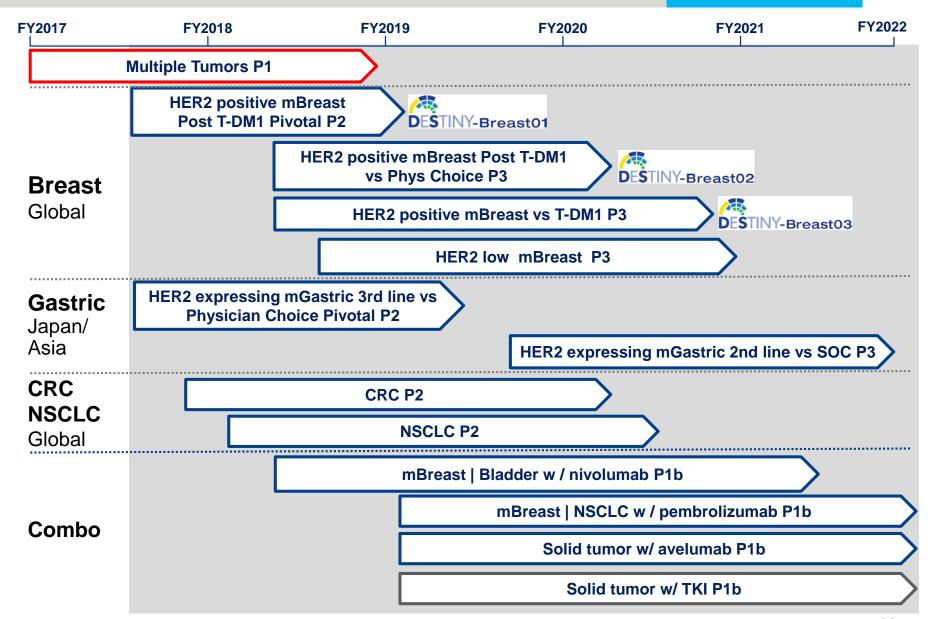


CRC: colorectal cancer, GIST: gastrointestinal stromal tumor, NSCLC: non-small cell lung cancer



X DS-8201: Clinical Program





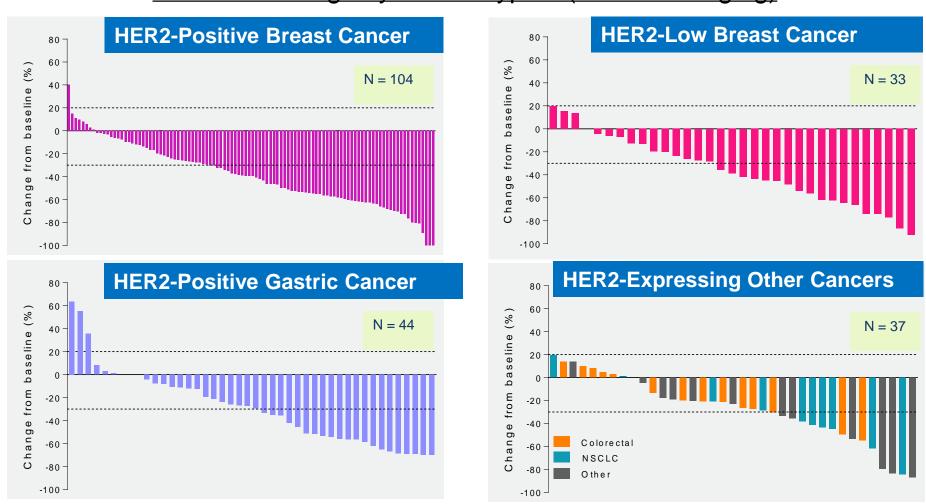


X DS-8201: P1 Study Efficacy





Tumor Shrinkage by Tumor Types: (5.4 or 6.4 mg/kg)



Includes subjects who had ≥1 postbaseline scan. Dotted lines denote 20% increase and 30% reduction in tumor size, respectively.

*Confirmed response includes subjects who had ≥2 postbaseline scans, progressive disease, or discontinued treatment for any reason prior to second postbaseline scan. Data cutoff is April 18, 2018.



X DS-8201: P1 Study Efficacy





Efficacy Outcomes by Tumor Type (5.4 or 6.4 mg/kg)

	HER2-Positive BC N = 111	HER2-Low BC N = 34	HER2-Positive GC N = 44	HER2-Expressing Other Cancers N = 51
Confirmed ORR* % (n/N)	54.5% (54/99)	50.0% (17/34)	43.2% (19/44)	38.7% (12/31)
DCR % (n/N)	93.9% (93/99)	85.3% (29/34)	79.5% (35/44)	83.9% (26/31)
ORR in modified ITT**, % (n/N)	48.6% (54/111)	50.0% (17/34)	43.2% (19/44)	23.5% (12/51)
DOR				
Median (95% CI), months	NR	11.0 (NA)	7.0 (NA)	12.9 (2.8, 12.9)
PFS				
Median, (95% CI), months	NR	12.9 (NA)	5.6 (3.0, 8.3)	12.1 (2.7, 14.1)
Min, max	1.0, 22.2+	0.5, 19.6+	1.2, 19.6+	0.7, 14.1+

^{*} Confirmed response includes subjects who had ≥2 postbaseline scans, had progressive disease, or discontinued treatment for any reason prior to second postbaseline scan.

- ◆ ORR of HER2-Low BC was 50%, similar to HER2-positive BC, 54.5%
- ◆ ORR of GC was 43.2%
- ◆ ORR of other Cancer (NSCLC, CRC, etc.) was 38.7%

^{**} Modified ITT population included all subjects who received ≥1 dose of DS-8201a at either 5.4 or 6.4 mg/kg, including those subjects who were too early to assess, but are ongoing on study.

after value indicates censoring.

BC, breast cancer; CI, confidence interval; DCR, disease control rate; DOR, duration of response; GC, gastric/gastroesophageal junction cancer; HER2, human epidermal growth factor receptor 2; ITT, intent-to-treat; NA, not available; NR, not reached; ORR, overall response rate; PFS, progression-free survival. Data cutoff for this analysis is April 18, 2018.



DS-8201: Frequent TEAEs (≥20%) (all tumor types from part 1 and part 2)



All tumor types from P1 study part 1 and part 2; 5.4 or 6.4 mg/kg² (N = 259)			
	Any Grade, n (%)	Grade ≥3, n (%)	
Nausea	192 (74.1)	9 (3.5)	
Decreased appetite	147 (56.8)	12 (4.6)	
Vomiting	113 (43.6)	6 (2.3)	
Anemia	98 (37.8)	50 (19.3)	
Alopecia	97 (37.5)	0	
Fatigue	88 (34.0)	6 (2.3)	
Diarrhea	87 (33.6)	6 (2.3)	
Constipation	85 (32.8)	2 (0.8)	
Platelet count decreased	73 (28.2)	27 (10.4)	
Neutrophil count decreased	66 (25.5)	40 (15.4)	
White blood cell count decreased	66 (25.5)	32 (12.4)	
Malaise	58 (22.4)	1 (0.4)	
Pyrexia	53 (20.5)	2 (0.8)	
Aspartate aminotransferase increased	53 (20.5)	4 (1.5)	

Data cutoff, August 10, 2018. A subject was counted once if the same AE was reported more than once. ^aAll subjects from Part 1 and Part 2 receiving ≥1 dose of [fam-] trastuzumab deruxtecan 5.4 mg/kg or 6.4 mg/kg regardless of tumor type. AE, adverse event; TEAE, treatment-emergent adverse event.

- Adverse events were generally of low grade
- The most frequent AEs Grade > 3 were hematologic in nature



DS-8201: Adverse Events of Special Interest (all tumor types from part 1 and part 2)



All tumor types from P1 study part 1 and part 2; 5.4 or 6.4 mg/kg² (N = 259)				
	Any Grade, n (%)	Grade ≥3, n (%)		
AST increased	53 (20.5)	4 (1.5)		
ALT increased	40 (15.4)	2 (0.8)		
Blood bilirubin increased	6 (2.3)	1 (0.4)		
Ejection fraction decreased	2 (0.8)	0		
Electrocardiogram QT prolonged	13 (5.0)	1 (0.4)		
Interstitial lung disease (ILD)	10 (3.9)	2 (0.8)		
Pneumonitis	22 (8.5)	6 (2.3)		
Infusion-related reactions	4 (1.5)	0		

Data cutoff, August 10, 2018.

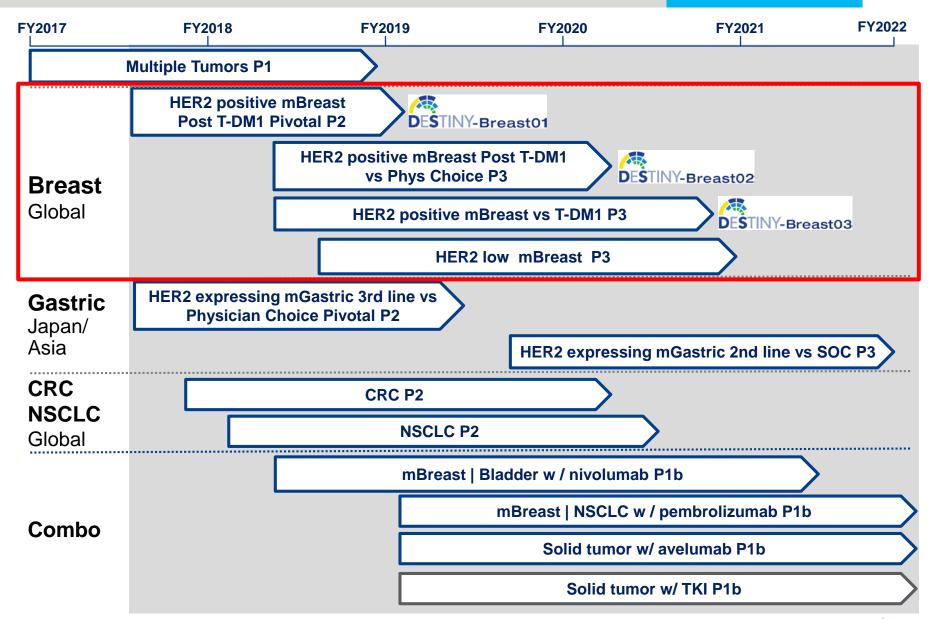
^aAll subjects from Part 1 and Part 2 receiving ≥1 dose of [fam-] trastuzumab deruxtecan 5.4 mg/kg or 6.4 mg/kg regardless of tumor type. ALT, alanine aminotransferase; AST, aspartate aminotransferase; ILD, interstitial lung disease; NSCLC, non-small cell lung cancer; QTc, QT interval corrected for heart rate.

- There were 5 fatal cases of ILD/pneumonitis observed in the overall population
- There was only one grade 5 pneumonitis case in the NSCLC cohort and this case was determined to be unrelated to study drug by the independent adjudication committee



X DS-8201: Clinical Program







1st line

X DS-8201: HER2 Positive Metastatic Breast Cancer



HER2 positive metastatic Breast Cancer

Herceptin (Trastuzumab) (+ Perjeta (Pertuzumab))

2nd line Kadcyla (T-DM1)

HER2 positive mBreast vs T-DM1 P3

DESTINY-Breast03 Started

3rd line **Physician's Choice**

HER2 positive mBareast Post T-DM1 Pivotal P2

DESTINY-Breast01

Enrollment Completed

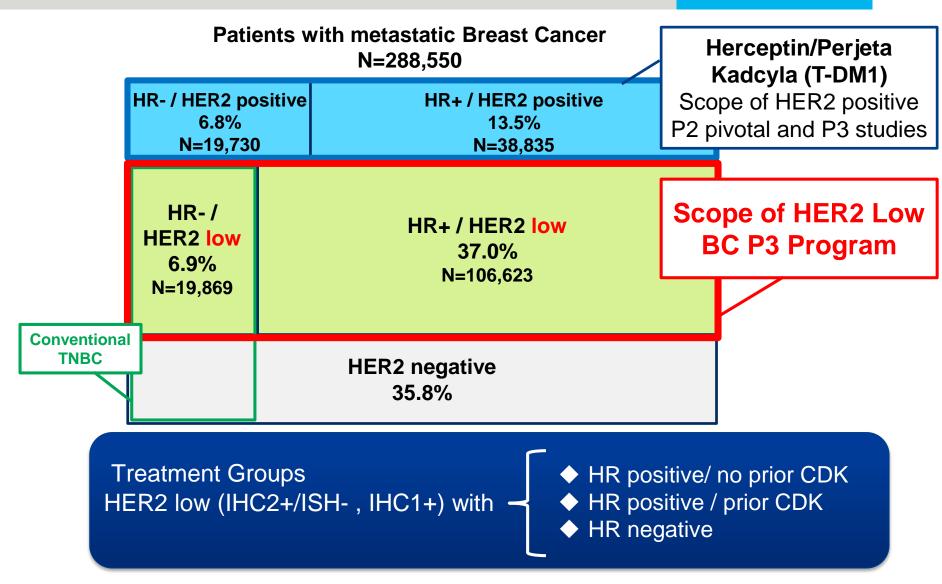
HER2 positive mBreast Post T-DM1 vs Phys Choice P3





DS-8201: HER2 Low BC Phase 3 Target Population





HR: hormone receptor; TNBC: triple negative breast cancer

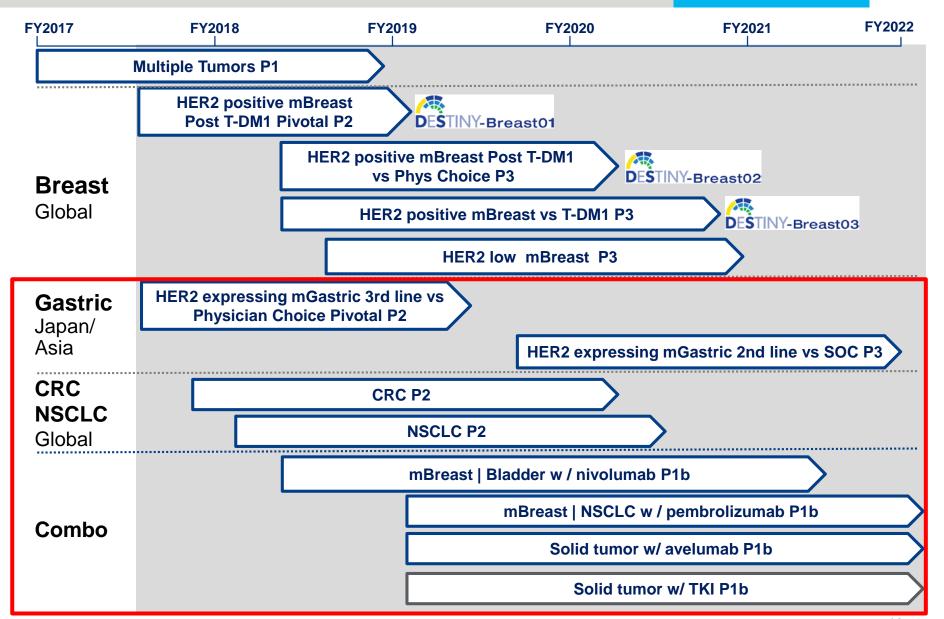
HR-: estrogen-receptor (ER) and progesterone-receptor (PR) negative





X DS-8201: Clinical Program







X DS-8201: Other than Breast Cancer





- Pivotal P2 study is on track
- P3 study is under preparation

- CRC: P2 study is on track
- NSCLC: P2 study is on track



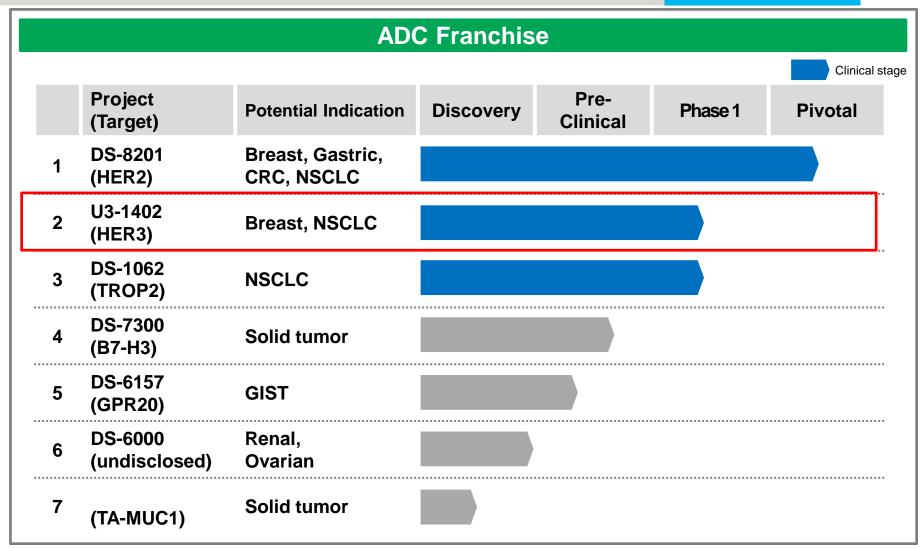


- Started Opdivo (nivolumab) combo study
- Signed Keytruda (pembrolizumab) combo study alliance
- Signed Bavencio (avelumab) combo study alliance



ADC Franchise





CRC: colorectal cancer, GIST: gastrointestinal stromal tumor, NSCLC: non-small cell lung cancer



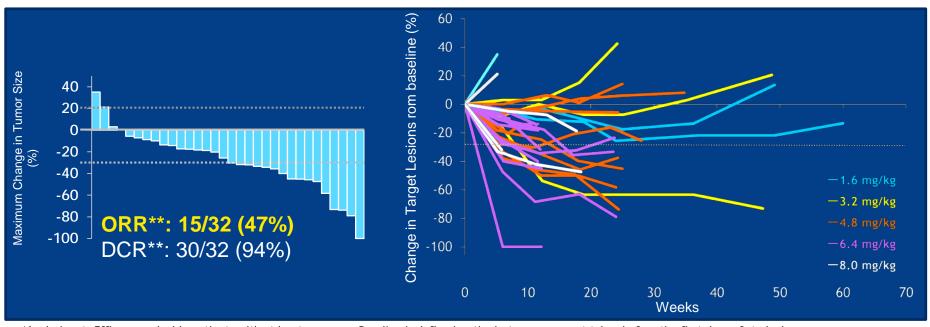
W U3-1402: BC P1/2 Study Efficacy





Best Percentage Change in Sum of Diameters From Baseline in Target Lesions*

Percentage Change in Sum of Longest Diameters



*Analysis set: Efficacy evaluable patients with at least one scan. Baseline is defined as the last measurement taken before the first dose of study drug. **Investigators assessment. For each patient, the best percent change from baseline in the sum of diameters for all target lesions is represented by a vertical bar. DCR = disease control rate; ORR = objective response rate.

Based on April 27, 2018 data cutoff.

- U3-1402 data resembles that of early DS-8201 data
 - U3-1402 ASCO 2018 ORR: 15/32 (47%)
 - DS-8201 ESMO 2016 ORR: 7/20 (35%)
- Validates portability of ADC technology



W U3-1402: BC P1/2 Study Safety





Treatment-Emergent Blood and Liver related AE in ≥ 15% Patients, Dose Escalation Phase (Total N = 34)*

Preferred Term	All Grades (%)	Grade ≥ 3 (%)
Platelet count decreased/Thrombocytopenia	23 (68)	10 (29)
Neutrophil count decreased/Neutropenia	20 (59)	9 (27)
White blood cell count decreased	18 (53)	6 (18)
Anemia	13 (38)	4 (12)

Preferred Term	All Grades (%)	Grade ≥ 3 (%)
ALT increased	13 (38)	3 (9)
AST increased	13 (38)	3 (9)
Blood alkaline phosphatase increased	6 (18)	0

- DLTs consisted of the followings:
 - 4.8 mg/kg: one case of Gr.4 platelet count decreased
 - 6.4 mg/kg: one case of Gr.4 platelet count decreased
 - 8.0 mg/kg: one case of Gr.4 platelet count decreased, Gr.3 AST increased, Gr.3 ALT increased one case of Gr.3 ALT increased
- MTD has not been reached
- Serious AE's noted in 11 (32%) of treated patients
- Majority of TEAEs were Grades 1 and 2 and toxicities have so far been manageable

^{*}Analysis set: Patients who received at least one dose of U3-1402. Percentage is calculated using the number of patients in the column heading as the denominator. TEAE = treatment-emergent adverse event. Based on April 27, 2018 data cutoff.



Summary of ADC Franchise 1/2





- Further evaluation in:
 - HER2+ mBC who failed Herceptin and/or Kadcyla
 - HER2 low mBC where there is no approved HER2 targeted therapy
 - Patient population is twice of HER 2 positive mBC
 - HER2 expressing mGC where Herceptin is only approved HER2 targeted therapy
 - HER2 expressing/mutated NSCLC/CRC where there is no approved HER2 targeted therapy



Summary of ADC Franchise 2/2



- Showed similarity to earlier DS-8201 clinical data in P1 Breast study
- P1 NSCLC study is on track
- 2nd ADC to show clinical activity: proof of DS ADC technology as validated platform





- DS-1062: P1 NSCLC study is on track
- DS-7300: Will start P1 study in FY2019
- DS-6157: disclosed target antigen=> GPR₂₀

Next Data Points and R&D Day





December 1-3, 2018: American Society of Hematology (ASH) @ San Diego

 AML Franchise: Multiple abstracts submitted (including Quizartinib QuANTUM-R)





December 4-8, 2018: San Antonio Breast Cancer Symposium (SABCS)

- DS-8201
 - P1 study BC HER2 positive/low update
 - Dose justification for BC P2 and P3 studies
 - Result of ILD Adjudication Committee
- U3-1402
 - BC P1 study update



R&D Day

December 12, 2018 15:00 - 17:00 (plan) @ Daiichi Sankyo Headquarters



Revised Target for 5-Year Business Plan

Current Progress of 5-Year Business Plan



- Edoxaban: Growing in momentum beyond the initial target
- Luitpold (US): Maintaining a high level growth
- Oncology: Enriching our pipeline value including DS-8201

- Pain Business (US): Difficult to achieve the initial target
- Japan Business: Future business environment getting severe

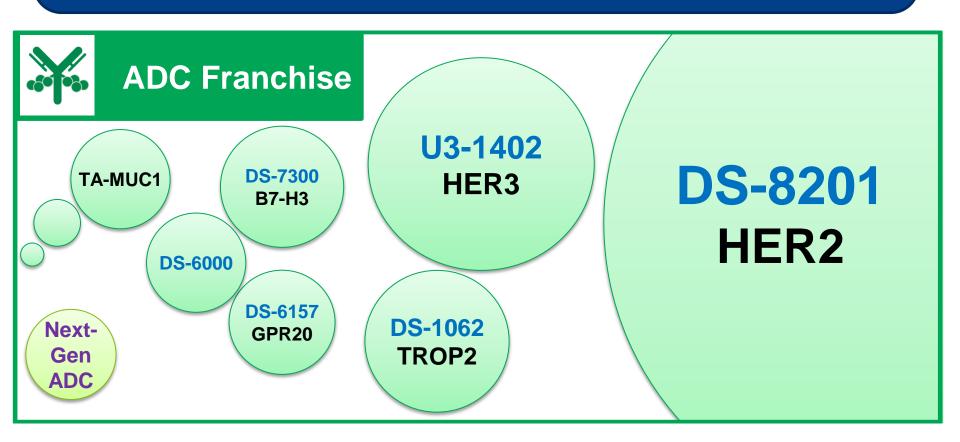


Difficult to achieve the FY2020 Target: OP 165.0 Bn JPY

Current Progress of 5-Year Business Plan: ADC Franchise



- Established ADC technology as a platform technology
 - > DS-8201: Accumulated promising clinical data
 - U3-1402: Disclosed promising preliminary clinical data
 - Increasing expectation on other ADCs



Oncology Business: Increase Investments



FY2018 - FY2022 (5 Years)

- ◆ R&D Investments: 1.1 Tn JPY
 - > Prioritize the investments to maximize the potential of ADC franchise
- ◆ Capital Exp. to enhance oncology: 25.0 Bn JPY or more

R&D Investments

1,100.0 Bn JPY

900.0 Bn JPY
Allocate more to oncology



200.0 Bn JPYAdditional investment to oncology

900.0 Bn JPY
Allocate <u>furthermore</u> to oncology

<Original>
FY2016 - FY2020 (5 Years)

<After Revision>
FY2018 - FY2022 (5 Years)

Oncology Business: Revenue Target



 Expand the future oncology revenue by accelerating and enhancing the investments

<Original>

Oncology Business:

Revenue

FY2020: 40.0 Bn JPY

FY2025: 300.0 Bn JPY

Value of late-stage pipeline

FY2020:

3-5 products

with peak-sales of more

than 100.0 Bn JPY each

Oncology Revenue 150.0 Bn JPY

FY2022

Value of late-stage pipeline

FY2022:

Total expected revenue at peak

: 500.0 Bn JPY or more

FY2025

40.0Bn JPY
FY2020



Oncology

Revenue

5-Year Business Plan (Original)



- Grow beyond FY2017 LOE of olmesartan
- Establish a foundation of sustainable growth

2025 Vision

Global Pharma Innovator with Competitive Advantage in Oncology

Revenue
910.0
Bn JPY

OP 78.0 Bn JPY

FY2018 Forecast Revenue 1,100.0 Bn JPY

OP 165.0 Bn JPY

FY2020 Target Increase value of late-stage pipeline

3-5 products with peak-sales of more than 100.0 Bn JPY each

- ROE: 8% or more
- Shareholder Returns (FY2016 - FY2020)
 - Annual ordinary dividends: 70 JPY or more
 - > Flexible acquisition of own shares
 - Total return ratio: 100% or more

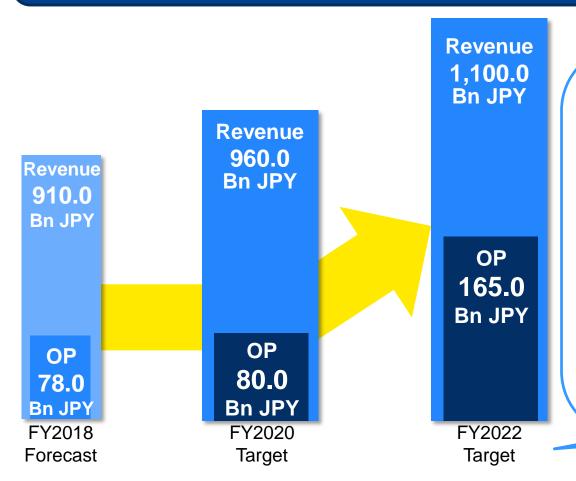
Revised Target for 5-Year Business Plan



- Revised FY2020 Target
- Achieve original OP target two years behind

2025 Vision

Global Pharma Innovator with Competitive Advantage in Oncology



 Increase value of late-stage pipeline

Total expected revenue at peak : 500.0 Bn JPY or more

- ROE: 8% or more
- Shareholder Returns (FY2016 - FY2022)
 - Annual ordinary dividends70 JPY or more
 - Flexible acquisition of own shares
 - Total return ratio: 100% or more

^{*} The targets excludes the impact of gain on sales of fixed assets, transformation business portfolio and partnering

Shareholder Returns



Shareholder Returns Policy: FY2016 - FY2022

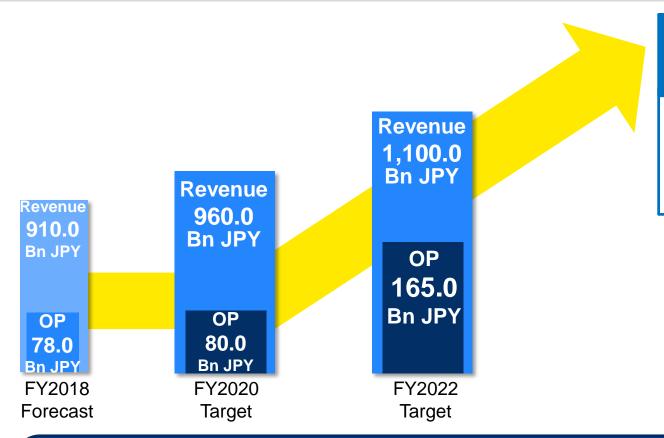


- ◆ Annual ordinary dividends: 70 JPY dividend in FY2016 and FY2017
- ◆ Acquisition of own shares: 50.0 Bn JPY in both FY2016 and FY2017
- ◆ Total return ratio : 100% or more (extended to FY2022)

^{*}Total return ratio = (Dividends + Total acquisition costs of own shares) / Profit attributable to owners of the company

Toward 2025 Vision





2025 Vision

Global Pharma
Innovator with
Competitive Advantage
in Oncology

- ◆ Enhance investments and maximize oncology business R&D investments: 1.1 Tn JPY, Oncology revenue: 500 Bn JPY in FY2025
- ◆ Commitment of FY2022
 OP 165 Bn JPY, ROE 8% or more, Value of late-stage pipeline* 500 Bn JPY or more, Total return ratio 100% or more

^{*} Total expected revenue at peak

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