



Takeda Information

Takeda to Host R&D Day & Plasma-Derived Therapies Day in Tokyo, Japan

Osaka, JAPAN, November 21, 2019 – Takeda Pharmaceutical Company Limited (<u>TSE:4502/NYSE:TAK</u>) ("Takeda") will host a combined R&D Day and Plasma-Derived Therapies (PDT) Day on November 21, 2019 in Tokyo, Japan, from 11:00 a.m. to 5:00 p.m. JST, for investors and analysts. The Japanese and English language versions of the R&D Day presentation and PDT Day presentation, which include contents that were presented in New York on November 14 and in Covington on November 15, respectively, are attached.

Also, a webcast of the event will be made available on the FY19 Special IR Events section of our website.

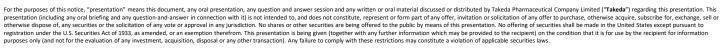
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REALIZING THE POTENTIAL OF PLASMA-DERIVED THERAPIES

21st November 2019 Julie Kim President, Plasma-Derived Therapies Business Unit





The companies in which Takeda directly and indirectly owns investments are separate entities. In this presentation, "Takeda" is sometimes used for convenience where references are made to Takeda and its subsidiaries in general. Likewise, the words "we", "us" and "our" are also used to refer to subsidiaries in general or to those who work for them. These expressions are also used where no useful purpose is served by identifying the particular company or companies.

Forward-Looking Statements

This presentation and any materials distributed in connection with this presentation may contain forward-looking statements, beliefs or opinions regarding Takeda's future business, future position and results of operations, including estimates, forecasts, targets and plans for Takeda. Without limitation, forward-looking statements in this document are based on Takeda's estimates and assumptions only as of the date hereof. Such forward-looking statements in this document are based on Takeda's estimates and assumptions only as of the date hereof. Such forward-looking statements in this document are based on Takeda's estimates and assumptions only as of the date hereof. Such forward-looking statements are based on the orgenerative thereof. Forward-looking statements and pute date interes is the soccurrency exhappen and there for social contering statements and part of the immig thereof. Forward-looking statements and target on failure of programs, decisions of regulatory authorities and the timing thereof. Forward-looking statements, chaptes to or failure of product development programs, decisions of regulatory authorities and the timing thereof. Forward-looking statements, chaptes to and impact of post-merger integration efforts with acquired companies; and the ability to divest assets that are not core to Takeda's operations and the timing thereof. Forward-looking statements, for more information on these and other factors which may affect Takeda's results, performance, achievements or financial position to be materially different from any future results, performance, achievements or impaction and ther takeda's operations, available on Takeda's obster eports file with the US. Securities and Becort on Forward-looking statements. For more information on these and other factors which may affect Takeda's results, performance, achievements or financial position on the secure avails performance, achievements, or financial position, exercine and weak forward-looking statements. Contained in this presentation should are

Medical information

This presentation contains information about products that may not be available in all countries, or may be available under different trademarks, for different indications, in different dosages, or in different strengths. Nothing contained herein should be considered a solicitation, promotion or advertisement for any prescription drugs including the ones under development.

Financial information

Takeda's financial statements are prepared in accordance with International Financial Reporting Standards ("IFRS").

The revenue of Shire plc ("Shire"), which were presently, presented in accordance with accounting principles generally accepted in the United States ("U.S. GAAP"), have been conformed to IFRS, without material difference.

The Shire acquisition closed on January 8, 2019, and our consolidated results for the fiscal year ended March 31, 2019 include Shire's results from January 8, 2019 to March 31, 2019. References to "Legacy Takeda" businesses are to our businesses held prior to our acquisition of Shire. References to "Legacy Shire" businesses are to those businesses acquired through the Shire acquisition.

This presentation includes certain pro forma information giving effect to the Shire acquisition as if it and occurred on April 1, 2018. This pro forma information has not been prepared in accordance with Article 11 of Regulation 5-X. This pro forma information is presented for illustrative purposes and is based on certain assumptions and judgments based on information available to us as of the date hereof, which may not necessarily have been applicable if the Shire acquisition had actually happened as of April 1, 2018. Moreover, this pro forma information gives effect to certain transactions and other events which are not directly attributable to the Shire acquisition and/or which happened subsequently to the Shire acquisition, such as divestitures and the effects of the purchase price allocation for the Shire acquisition, and therefore may not accurately reflect the effect on our financial condition and results of operations if the Shire acquisition had actually been completed on April 1, 2018. Therefore, undue reliance should not be placed on the pro forma information included herein.



Takeda

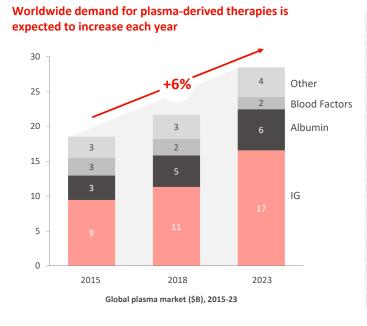
PLASMA PRESENTS A UNIQUE OPPORTUNITY



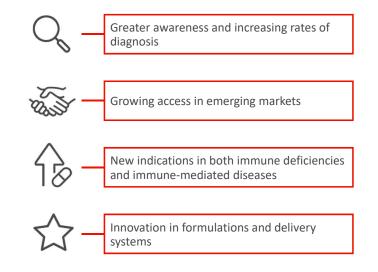
DEMAND FOR KEY PLASMA-DERIVED THERAPIES HAS BEEN CONTINUOUSLY INCREASING AND EXPECTED TO GROW



Takod



This trend is primarily driven by:



Source: Berman. Plasma Fractionation: The Challenge of Keeping Pace with Global IG Demand / MRB, Evaluate Pharma, PDT Analysis / Chapel H, et al. Front Immunol 2014 Dec 15;5:527. / News release: Shire Launches Paediatric Indication for Immunodeficiency Treatment HyQvia in 3 Europe. 21 July 2016. / News release. Shire Announces FDA Approval for Label Expansion of CINRYZE* for Prevention of Attacks in Pediatric HAE / Jones, et al. Frontiers in Immunology 2018;9:1308.

TAKEDA IS NOW ORGANIZED – AND UNIQUELY POSITIONED - TO REALIZE THE FULL POTENTIAL OF PLASMA-DERIVED THERAPIES



>20 PLASMA-DERIVED THERAPIES

RARE DISEASE LEADER Deep understanding of patient's needs

GLOBAL PHARMA SCALE & EXPERTISE

Capabilities in digital technology, data analytics, patient insights

75+ YEAR pioneer legacy in plasma

4 Source: Evaluate Pharma, PDT Analysis. / Takeda internal data

PLASMA-DERIVED THERAPIES DEDICATED BUSINESS UNIT

Top 3 plasma company, investing to grow

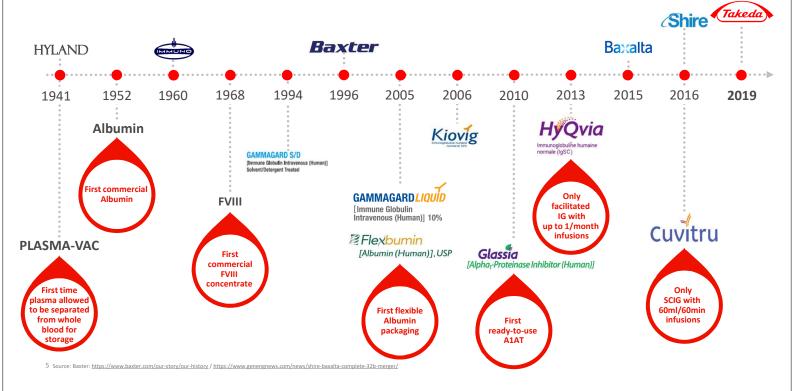


PLASMA-FOCUSED R&D Team 8 MANUFACTURING SITES

140+ PLASMA COLLECTION CENTERS

13,000 EMPLOYEES worldwide, focused on plasma business

WE ARE BUILDING ON A LONG AND SUCCESSFUL HISTORY OF BRINGING INNOVATIVE THERAPIES TO PATIENTS



WE'VE ESTABLISHED A DEDICATED BUSINESS UNIT TO STEER OUR PATH, **BRING FOCUS AND HARNESS OUR END-TO-END PLASMA CAPABILITIES**





OUR PDT BU LEADERSHIP TEAM DRAWS ON, AND BRINGS TOGETHER, TAKEDA'S EXTENSIVE PLASMA EXPERIENCE AND BROADER EXPERTISE





Derived

Therapies BU



Head of Plasma- Executive Chief of Staff

Assistant



Christopher

(BioLife) R&D



Michael Shires Strategy



Shady

AbouZahra Operations









Public Affairs

Communications



Adrian Murphy Barbara Manufacturing Glantschnig Quality



Thomas Kreil Kasha Witkos Pathogen Safety Commercial



Paula Leca Legal

Gabriele Ricci IT

Linda Peralta Ethics & Compliance



HR

Business Development





140 +





60% Female





Our Ambition

Build a respected, sustainable plasma business that reimagines the industry to best serve patients worldwide



Taked

We have a singular, dedicated plasma focus and strategy

- → Responsibility for end-to-end plasma business
- Dedicated R&D organization and budget

We also benefit from the support of a global, values-based biopharmaceutical company

- Long-term view with commitment to invest as plasma is a key growth driver for Takeda
- ➔ Access to Takeda's broader resources, capabilities and expertise, particularly R&D and manufacturing

OUR STRATEGY AND TARGETED INVESTMENTS EXTEND ACROSS THE ENTIRE VALUE CHAIN

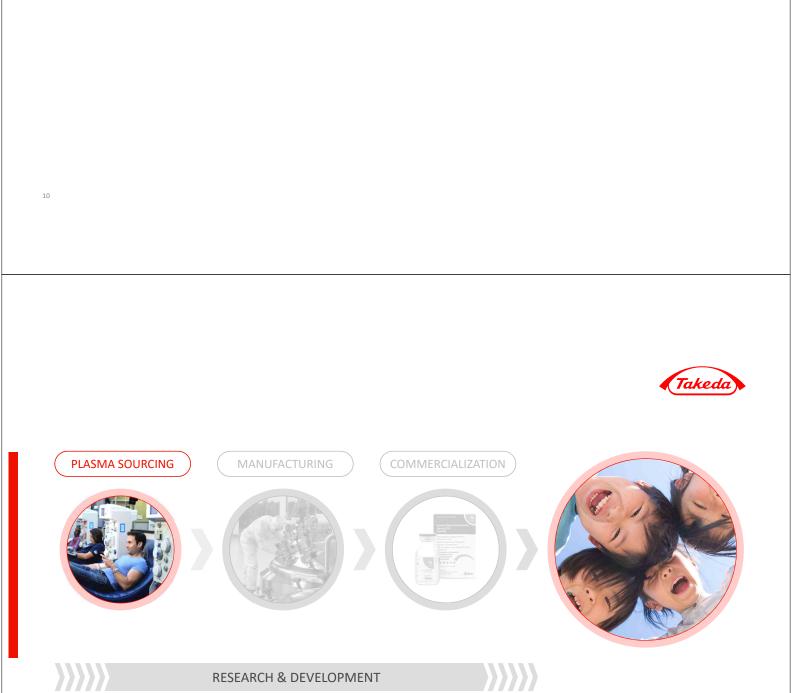




RESEARCH & DEVELOPMENT

VIDEO OF PLASMA CENTER AND MANUFACTURING FACILITY

Takeda



RESEARCH & DEVELOPMENT



WE ARE ACCELERATING THE RATE OF PLASMA COLLECTION AND INCREMENTALLY INCREASING OVERALL VOLUME



We are building momentum....

- → Increased plasma volumes by approximately 20% in 2018
- ➔ Expanded European presence from 7 to 30 collection centers within past 12 months
- → Completed 5 acquisitions in the past 12 months in US, Austria, Hungary and Czechia
- → Plan on opening a total of 19 additional new collection centers in fiscal year 2019
- → Leveraging third party supply through long-term contracts
- ➔ Participating in contract agreements with governments

We will continue to focus on operational excellence

- ➔ Open collection sites faster
- ➔ Increase speed to peak collection volumes
- ➔ Create efficiency via new models and approaches

12 Source: Takeda internal data.

We are accelerating growth with the goal of increasing plasma supply by



WE ARE FURTHER ENHANCING AND DIGITALIZING FACILITIES AND SERVICES TO MEET GROWING NEEDS FOR THE FUTURE

Attracting new donors in the community

- → Reaching new donors
- → Increasing community engagement







WE HAVE A WORLD-LEADING PLASMA DERIVED THERAPIES MANUFACTURING NETWORK IN WHICH WE CONTINUE TO SIGNIFICANTLY INVEST



8 STRATEGIC LOCATIONS

plus four strategic partners, allowing independent yet inter-related manufacturing operations

INNOVATION MINDSET

digitalization and constant drive for excellence to accelerate supply to patients

CONTINUED CAPACITY EXPANSION

to increase production of our portfolio to meet market growth while driving efficiencies

CONTINUALLY INVESTING

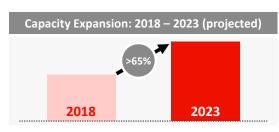
in state-of-the-art facilities that meet the highest quality standards

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WE'RE INCREASING PRODUCTION CAPACITY BY ACCELERATING INVESTMENT, WHILE FURTHER ENHANCING OUR QUALITY STANDARDS



- → Continually investing in technologies and processes to maximize yield
 - ➔ Higher yield, lower cost fractionation techniques
 - ➔ Analytics, automation and digitization to optimize network
- → Optimizing plasma efficiency through the value chain
- Downstream optimization within broader Takeda manufacturing network



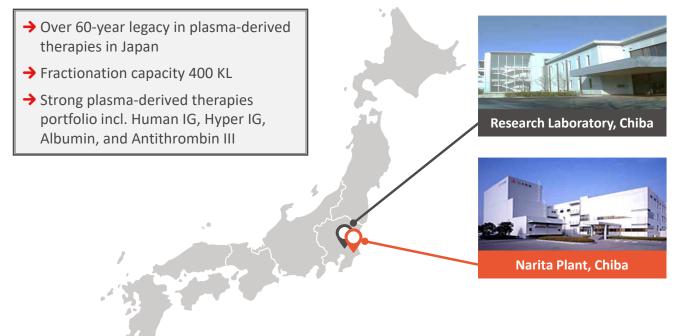


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IN JAPAN TAKEDA HAS DOMESTIC MANUFACTURING CAPABILITIES THROUGH OUR SUBSIDIARY NIHON PHARMA

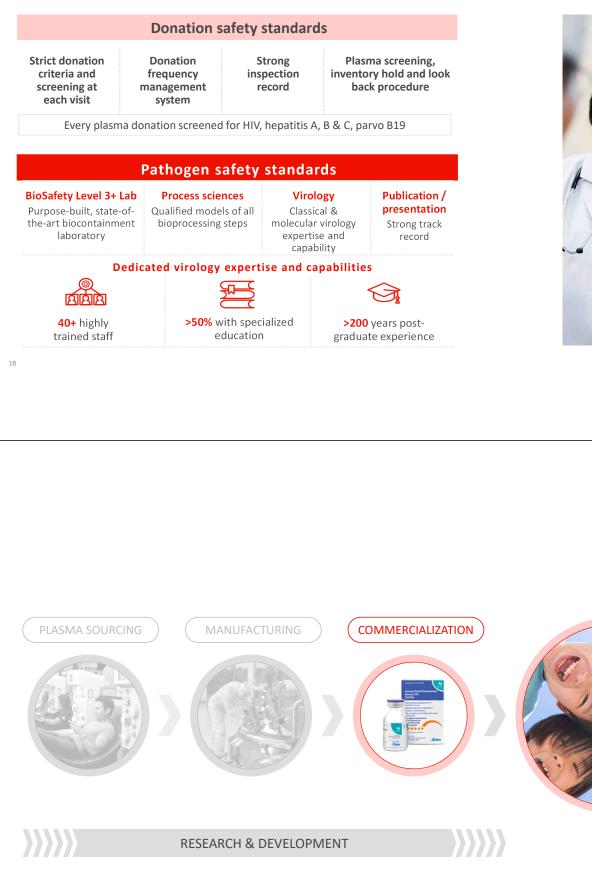




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TAKEDA HAS WORLD-CLASS SAFETY CAPABILITIES AND AN UNSURPASSED REPUTATION IN BOTH PLASMA DONATION AND PATHOGEN SAFETY





Takeda

Takeda

OUR BROAD AND DIFFERENTIATED PORTFOLIO OF PLASMA-DERIVED THERAPIES TREATS RARE AND COMPLEX DISEASES WORLDWIDE

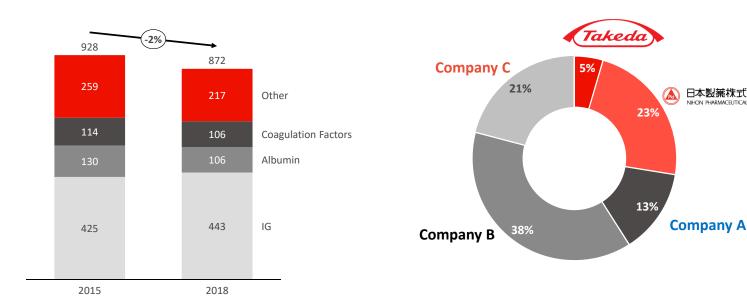


IN JAPAN, IG GROWTH REMAINS STRONG AND THERE IS OPPORTUNITY **TO ENHANCE STANDARD OF CARE**



日本製薬株式会社

Takeda



Japan Plasma Market (\$M), 2015-18

Pd: plasma derived, IG: Immunoglobulin

NOTE: The category of product type is based on Takeda internal standards. Converted at April 2018-March 2019 average exchange rate of 111 JPY/USI Copyright © 2019 IQVIA. (Calculated based on JPM Jan - Dec 2013 and Jan – Dec 2018) Reprinted with permission.

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Japan PDT Revenue Market Share

OUR GOAL IS TO CONTINUE TO BRING PERSONALIZED, INNOVATIVE, LIFELONG CARE THROUGHOUT THE PATIENT JOURNEY



Diagnosis

- Partnership with large hospital systems in the US to leverage electronic medical records
- Co-chairing the Global Commission to End the Diagnostic Odyssey for Children with Rare Disease
- ➔ Awareness campaigns
- Diagnostic test kits



Access

- ➔ Sustainable pricing
- ➔ Dedicated access support
- ➔ Patient assistance programs
- → Broad portfolio of products

Personalized Care & Support

- ➔ Enhanced patient services
- ➔ Nurse training to support new patients
- ➔ Devices and delivery systems

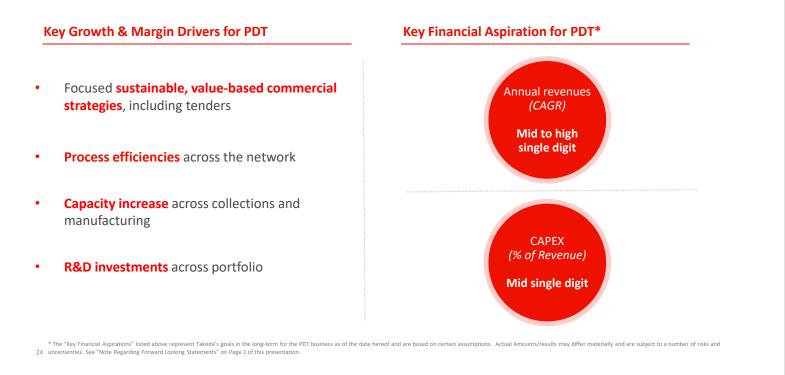
WE ANTICIPATE SIGNIFICANT GROWTH OPPORTUNITIES ACROSS OUR PORTFOLIO

				Global Takeda	Global plasma
		Example Global Takeda products	Japan Takeda products	revenue (OY, 2018)	market size (OY, 2018)
	Immunoglobulin	GAMMAGARD LIOUTO Kiovig GAMMAGARD S/D Burners (Reduk hervesses (Renes)) Setem Design (Tweld	kenketu g iovenin ªI	~2,870	~12,500
Last Liter		HýQvia Hypotras Hypot	EAMMABARD S/D Bernard Stribute Minister (Hannel) Softwart Desingent Treated		
	Albumin		KENKETU ALBUMIN KENKETU ALBUMINATE'		
				~580	~5,000
	Hemophilia products	The model of the m	FEIBA		~2,800
irst				~890	
Liter	Other products		KENKETU NONTHRON°		
		[Alphar-Proteinase Inhibitor (Human)]		~660	~3,700
		Prothromplex NF 600 CINRYZE	Antithrombin III	000	3,700
		Antithrombin III			

*2018 revenue is a pro-forma which adds Legacy Shire's 9 month (April – December 2018) revenue previously reported under US GAAP and conformed to IFRS without material differences and converted to JPY using FY2018 actual rate for the period. 2018 revenue also includes product sales of Nihon Pharmaceutical products, Takeda's consolidated subsidiary Takodi

AND WE ARE EMBARKING ON A TRAJECTORY TO IMPROVE OVERALL PLASMA-DERIVED THERAPIES BUSINESS PERFORMANCE





KEY TAKEAWAYS

1

At Takeda, plasma is a long-term strategic focus, led by a dedicated business unit investing to grow

across the value chain and leveraging Takeda capabilities

2

Our goal is to accelerate growth in capacity by >65% over

the next 5 years to bring additional and improved therapies to more people around the world

3

Our broad and differentiated portfolio brings personalized, innovative, lifelong care and underlines our credentials for reimagining the industry

