



Takeda Information

Takeda to Host Plasma-Derived Therapies Day in Covington, Georgia

Osaka, JAPAN, November 15, 2019 – Takeda Pharmaceutical Company Limited ([TSE:4502/NYSE:TAK](#)) (“Takeda”) will host a Plasma-Derived Therapies (PDT) Day on November 15, 2019 in Covington, Georgia from 11:15 a.m. to 3:45 p.m. EST (November 16, 2019, 1:15 a.m. to 5:45 a.m. JST).

The event will include a presentation of Takeda’s PDT R&D strategy and plans. The English presentation material is attached. Also, a webcast of the PDT Day will be made available on the FY19 Special IR Events section of our [website](#).

Takeda will host a combined R&D Day and PDT Day on November 21, 2019 in Tokyo, from 11:00 a.m. to 5:00 p.m. JST, for investors and analysts. On this day at 10:40 a.m., 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, will be made available.

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Realizing the Potential of Plasma-Derived Therapies

Investor Relations Day, Covington, GA

15th November 2019

Julie Kim

President, Plasma-Derived Therapies Business Unit (PDT BU)



Better Health, Brighter Future

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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.

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Financial information

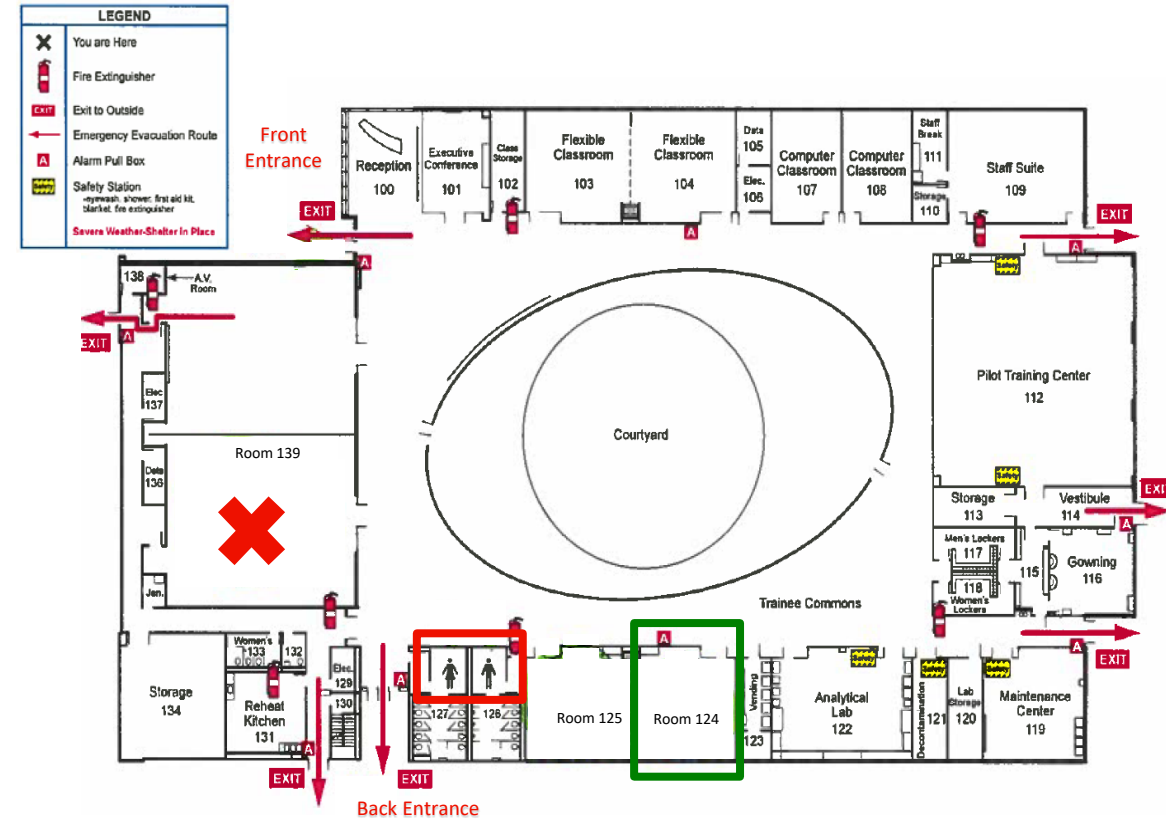
Takeda’s financial statements are prepared in accordance with International Financial Reporting Standards (“IFRS”).

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 had occurred on April 1, 2018. This pro forma information has not been prepared in accordance with Article 11 of Regulation S-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.

Thank you to the Georgia BioScience Training Center



Agenda



PDT Overview

Julie Kim, President, PDT BU

Lunch buffet

PDT R&D Overview

Christopher Morabito, Head, R&D, PDT

Covington Site Introduction

Carlos Soto, Covington Site Head

Q&A

Sue Brown, Head, Global BioLife Operations

Julie Kim, President, PDT BU

Christopher Morabito, Head, R&D, PDT

Adrian Murphy, Head of Plasma Operating Unit, Global Manufacturing & Supply

Costa Saroukos, Chief Financial Officer

Carlos Soto, Covington Site Head

Close

Julie Kim, President, PDT BU

Training Center & Covington Site tour



Introducing Takeda's Plasma-Derived Therapies Business

Julie Kim
President, Plasma-Derived Therapies Business Unit



Plasma-derived therapies are critical, life-saving medicines, relied upon by thousands of people worldwide with rare and complex diseases



Lynayah's Family

I probably wouldn't have lived to see six months, which is why my family and I are eternally grateful for you. Your time, and your donation helped save my life.

Lynayah & Family



Pawel

It's not always easy but, to reach the top, you must go uphill.

March 2019

Plasma presents a unique opportunity



Plasma is a durable business with compelling growth opportunity...



1

Products have **lifecycle spanning decades**

2

Indication **expansion continues**

3

Not subject to patent cliffs

4

Probability of **success for R&D** is generally high

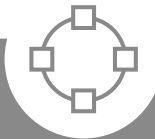
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Market demand continues to grow steadily

...AND HAS DISTINCT ASPECTS



Plasma is collected from human donations - scarce supply



It can take more than 7 months to produce plasma-derived therapies

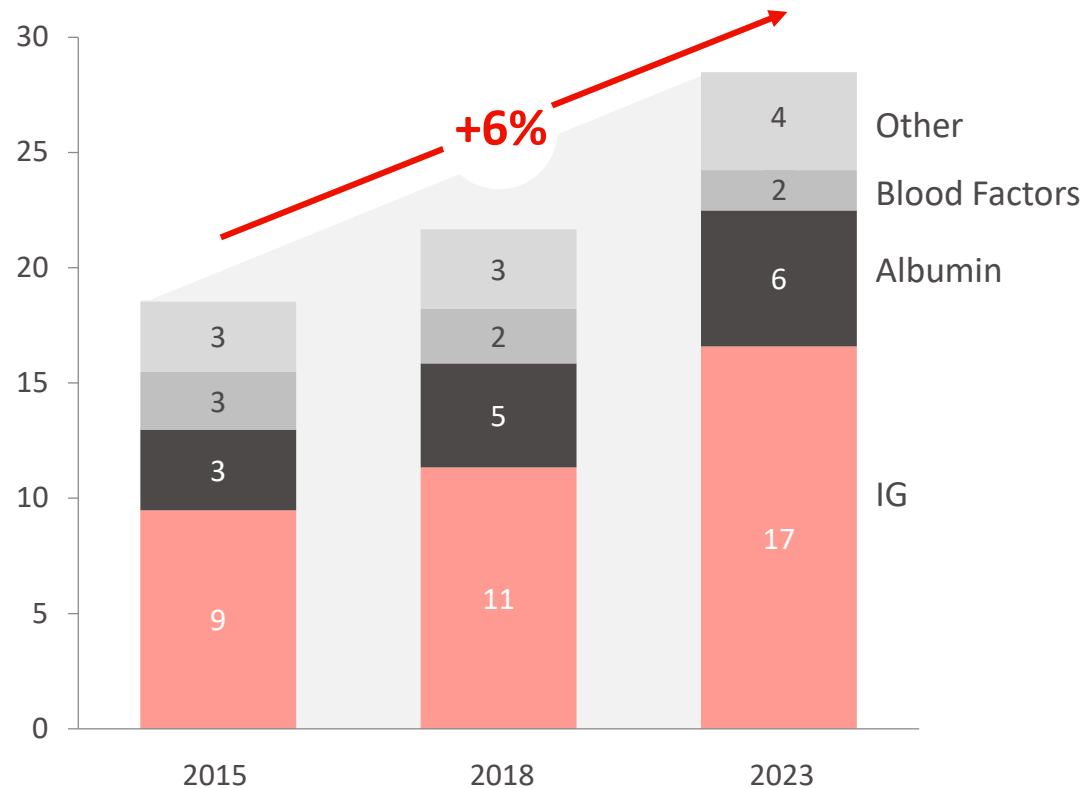


Capital-intensive manufacturing process

Demand for key plasma-derived therapies has been continuously increasing and expected to grow



Worldwide demand for plasma-derived therapies is expected to increase each year



Global plasma market (\$B), 2015-23

This trend is primarily driven by:



Greater awareness and increasing rates of diagnosis



Growing access in emerging markets



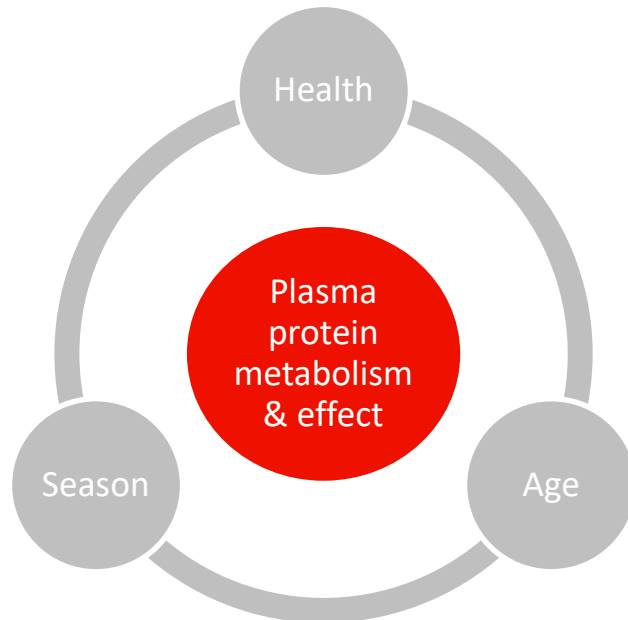
New indications in both immune deficiencies and immune-mediated diseases



Innovation in formulations and delivery systems

And plasma still has significant untapped therapeutic potential

Multiple factors influence plasma protein metabolism and effects in individuals



By advancing our understanding of plasma proteins, we can:

- Predict how different patients metabolize plasma proteins, and drive individualization of therapy
- Investigate strategies that allow the plasma protein to more precisely target disease or remain in the body longer
- Extend the benefits of plasma-derived therapies across our portfolio



Takeda is now organized – and uniquely positioned - to realize the full potential of plasma-derived therapies



PLASMA-DERIVED THERAPIES DEDICATED BUSINESS UNIT

Top 3 plasma company, investing to grow

>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



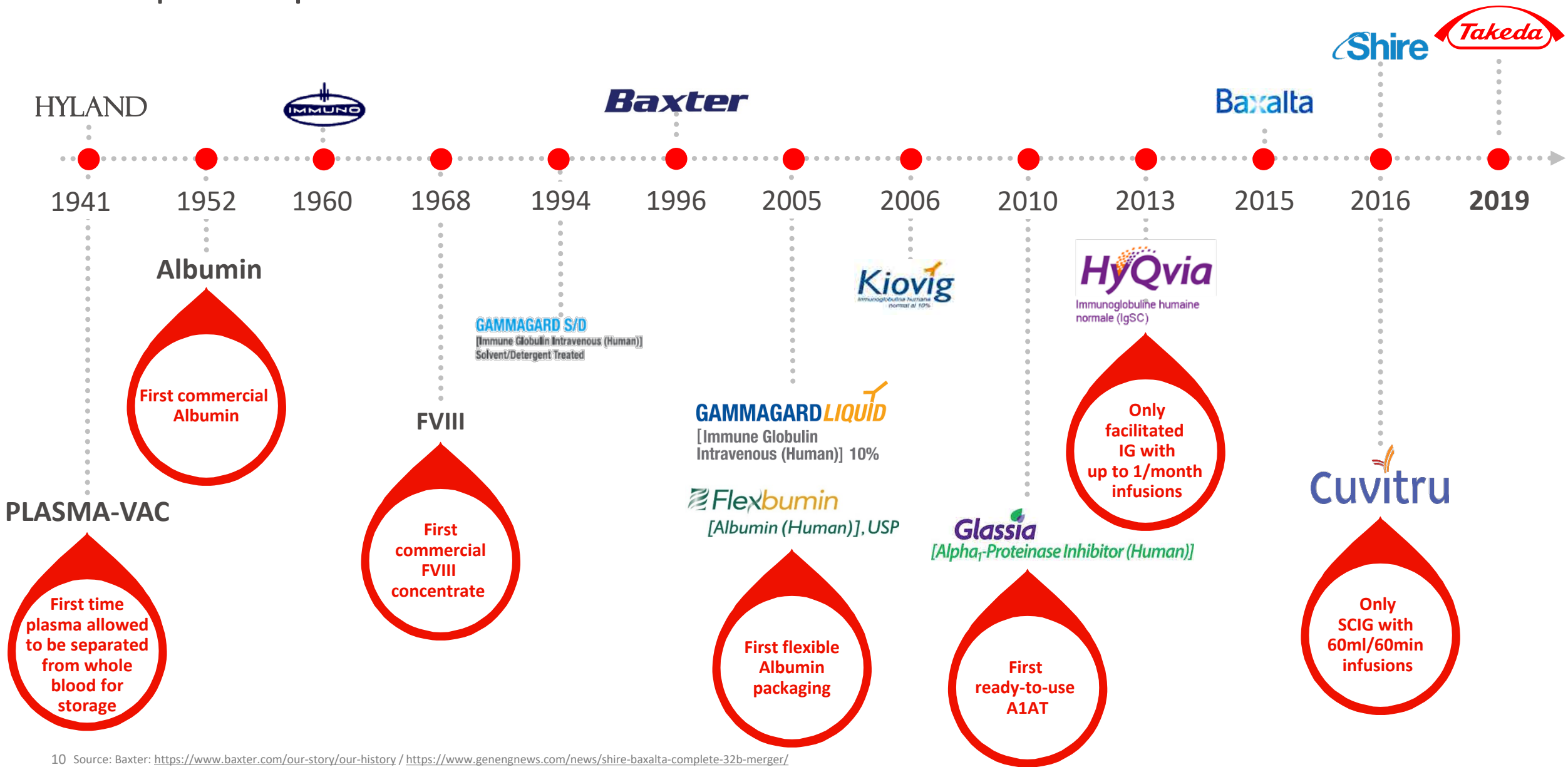
**PLASMA-
FOCUSED**
R&D Team

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 across our business



Julie Kim
Head of Plasma-Derived Therapies BU



Ingrid Hofström
Executive Assistant



Emi Psachoulia
Chief of Staff



Sue Brown
Plasma Sourcing (BioLife)



Christopher Morabito
R&D



Michael Shires
Strategy



Shady AbouZahra
Operations



Annick Deschoolmeester
HR



Ramy Riad
Finance



Luana Banu
Public Affairs



Deborah Hibbett
Communications



Adrian Murphy
Manufacturing



Barbara Glantschnig
Quality



Thomas Kreil
Pathogen Safety



Kasha Witkos
Commercial



Paula Leca
Legal



Gabriele Ricci
IT



Linda Peralta
Ethics & Compliance



Charlie Alexander
Business Development

140 +
combined years of plasma experience

19
team members

11
nationalities

♀ 60% Female
♂ 40% Male

Our Ambition

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



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