



Geoffrey McDonough

Stockholm | 4 May 2017

A strong platform for new and transformative treatments

Forward looking statements



In order to utilize the 'Safe Harbor' provisions of the United States Private Securities Litigation Reform Act of 1995, Swedish Orphan Biovitrum is providing the following cautionary statement. This presentation contains forward-looking statements with respect to the financial condition, results of operations and businesses of Swedish Orphan Biovitrum. By their nature, forward-looking statements and forecasts involve risk and uncertainty because they relate to events and depend on circumstances that will occur in the future. There are a number of factors that could cause actual results and developments to differ materially from that expressed or implied by these forwardlooking statements. These factors include, among other things, the loss or expiration of patents, marketing exclusivity or trade marks; exchange rate fluctuations; the risk that R&D will not yield new products that achieve commercial success; the impact of competition, price controls and price reductions; taxation risks; the risk of substantial product liability claims; the impact of any failure by third parties to supply materials or services; the risk of delay to new product launches; the difficulties of obtaining and maintaining governmental approvals for products; the risk of failure to observe ongoing regulatory oversight; the risk that new products do not perform as we expect; and the risk of environmental liabilities.



Dedicated to rare diseases



- Our key therapeutic areas are Inflammation,
 Genetic diseases and Haemophilia
- We deliver products to specialist physicians and their patients through our integrated team approach to sales and marketing, medical affairs and patient access
- We leverage our world-class capabilities in protein biochemistry and biologics development and supply to develop next generation biological products



Our vision



We are inspired to pioneer a world in which rare disease patients are diagnosed at birth, receive effective and sustainable therapy, and go on to live full and healthy lives



The Sobi way



lessons from two decades of sustainable transformation





1000 PEOPLE TYROSENEMIA ARE GROWING UP AROUND THE WORLD



GRAND-PARENTS



mature adulthood



Our employees – our most important asset



- Our culture is our strategy → acting on our values to build value for stakeholders
- Actions based on employee feedback
- Aligning compliance with our corporate principles
- A culture that promotes the open discussion of business ethics
- Labour rights
- Diversity and development













Building a sustainable future



REVENUE SEK 5,204 M

Elocta approved in the EU \

REVENUE SEK 3,228 M

- Alprolix approved in the EU.
- Launch of two nextgeneration haemophilia products - Elocta and Alprolix in Europe and the Middle East.
- Pipeline strengthened with two candidate drugs in early stage development and new planned clinical programmes.
- ReFacto agreeement extended to 2023

ELOCTA"

2016

Expanded partner portfolio with Xiapex® and Pharmaswiss portfolio

REVENUE

SEK 2,177 M

• New momentum in

operating business.

· Aquired full rights for

Kineret and received

REVENUE SEK 2,607 M

• Positive contributions

from all parts of the

• Development pipeline

setbacks as Kiobrina

phase 3 study did not

meet primary end-

business.

Eloctate® and Alprolix launched in the US by our partner Bioverativ

• Haemophilia launch

- organisation in place. Implemented new
 - distribution model for Kineret in the US.

sobi established in the Middle East and the US

REVENUE SEK 1,911 M

REVENUE SEK 1,923 M

- Operational focus on key therapeutic areas.
- Pivotal phase 3 studies completed and paediatric trials initiated for Elocta and Alprolix.
- Research agreement signed with Affibody AB.
- ReFacto agreeement extended and Nordic commercial rights sold to Pfizer.

2012

approval for CAPS indication in the EU.

Kineret

2013

points. Orfadin direct sales in the US.

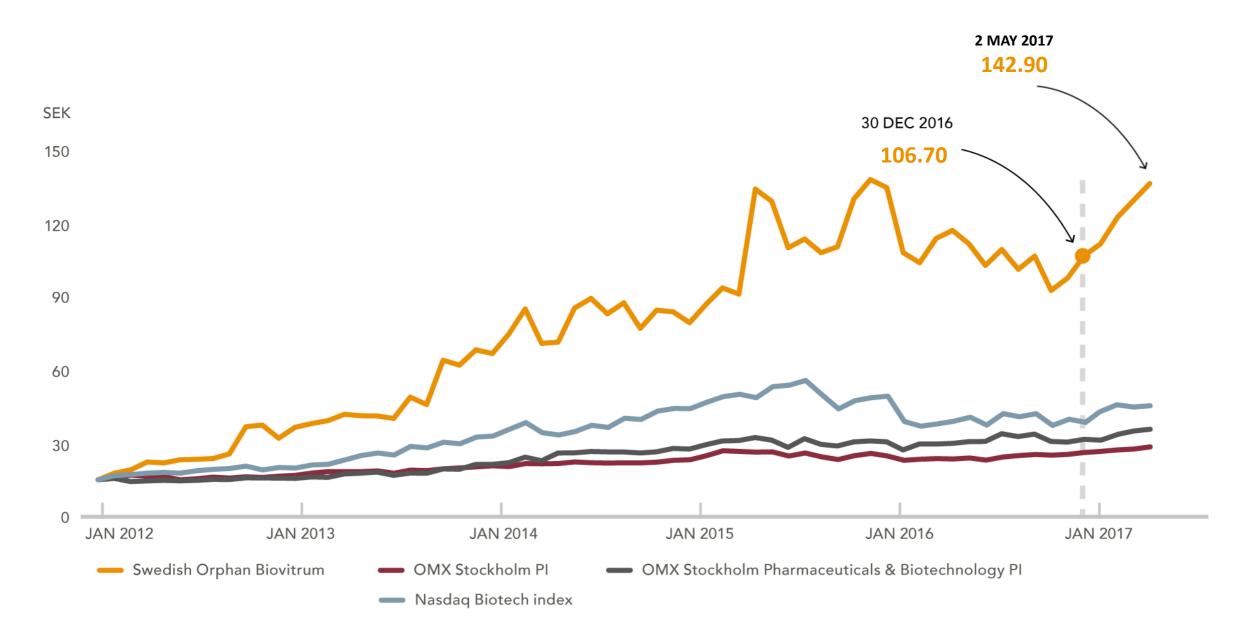
2015

2011

2014

Share development 2012 – 2 May 2017





Financial highlights FY 2016



• Total revenue: SEK 5,204 M (3,228)

• 61% growth

Product revenue: SEK 4,548 M (2,568)

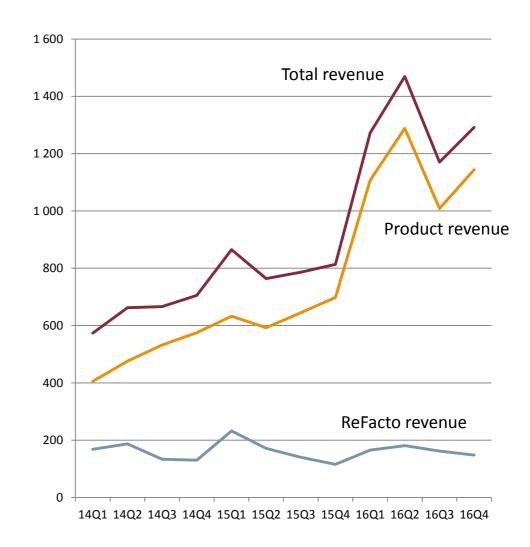
■ 77% growth

• ReFacto revenue: SEK 656 M (660)

• Gross margin: 70% (62%)

• EBITA: SEK 1,543 M (433)

Cash flow operations: SEK 343 M (507)



Financial highlights FY 2016

[excluding one-time credits of SEK 708 M]



■ 39% growth

Product revenue: SEK 3,840 M (2,568)

• 50% growth (49% at CER)

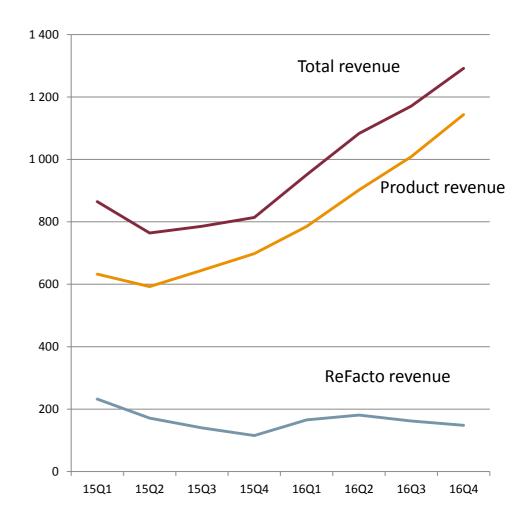
ReFacto revenue: SEK 656 M (660)

• Gross margin: 66% (62%)

• EBITA: SEK 835 M (433)

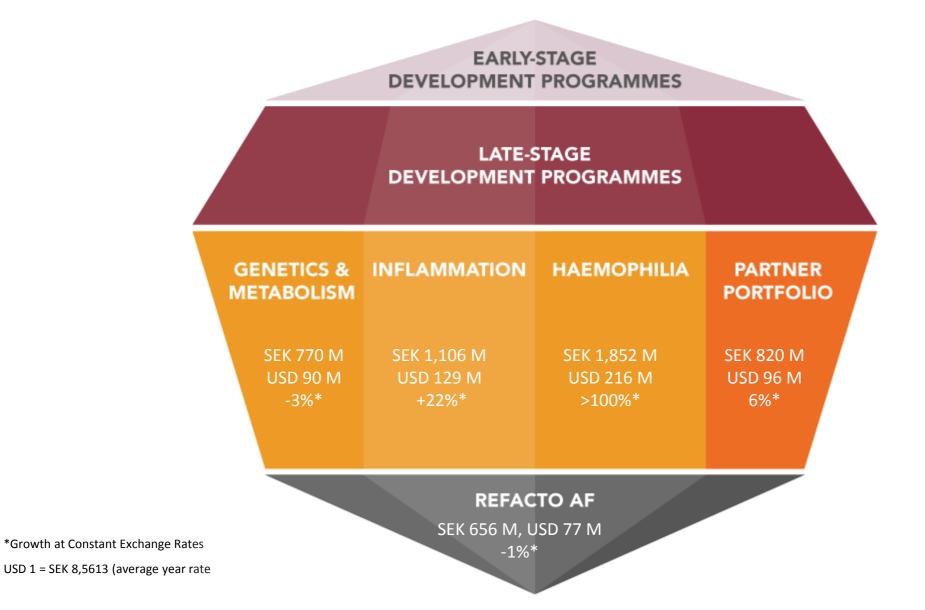
Cash flow operations: SEK 343 M (507)





Revenues by business line FY 2016

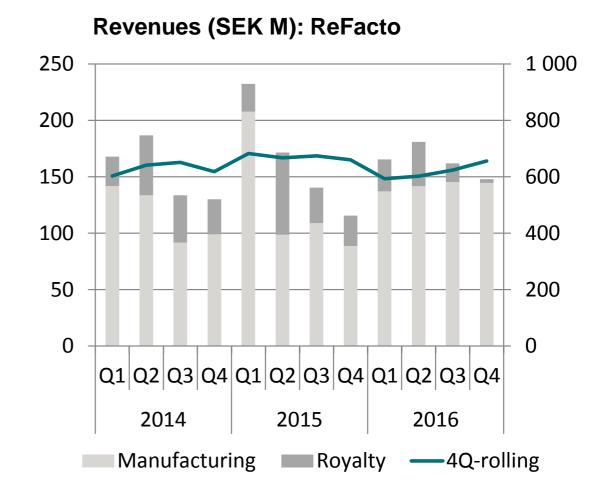




ReFacto manufacturing



- FY revenue was SEK 656 M (660)
- New manufacturing agreement with Pfizer

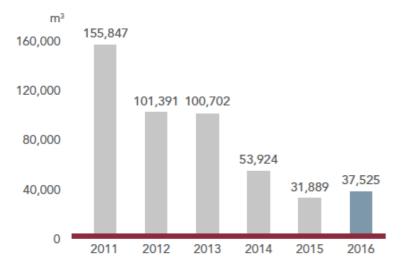


Decreased relative energy and water consumption

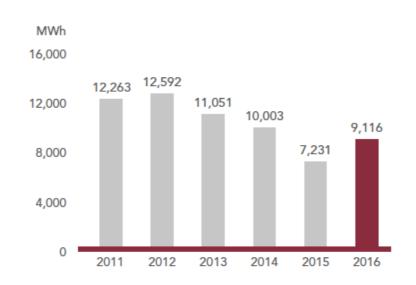


- Ongoing project to continuously improve the energy efficiency of our site
- Regular monitoring of operating costs of the buildings

WATER CONSUMPTION



ENERGY CONSUMPTION



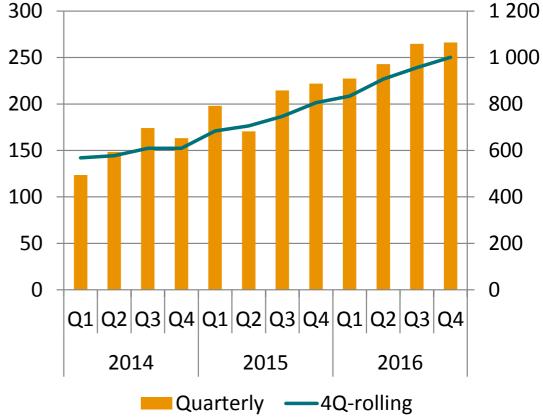


Kineret



- FY revenue SEK 1,001 M (805)
 - Increase of 24%
- US distribution model and patient support programme is driving growth
- Clinical programmes on track

Revenues (SEK M): Kineret

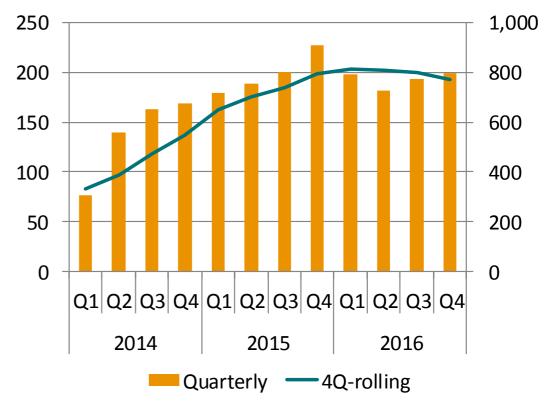


Orfadin



- FY revenue SEK 770 M (796)
 - Decrease of 3%
- North America
 - Performance in the US supported by 20 mg and oral suspension launches
 - Orfadin approved in Canada
 - Revenue in Canada negatively impacted by generic approvals
 - Revenue in EMENAR was negatively impacted by the approval of a generic formulation in Turkey

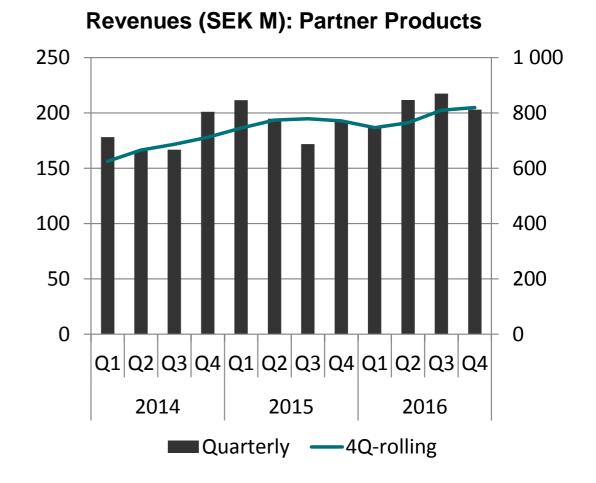
Revenues (SEK M): Orfadin



Partner Products



- FY revenues SEK 820 M (771)
 - Increase of 6%
- Revenue growth supported by new partnership with PharmaSwiss and Xiapex
- Sobi in discussions regarding a possible sale of Partner Products



Partner Products

SOD

a business model based on sustainable access

- The European market consists of nearly 40 countries
- A cost-efficient platform for the provision of products for a limited number of patients is important, and has a direct impact on the availability of niche medications to European patients.

PARTNERS

Get access to strategic thinking, management and cost-effective solutions via a mature and experienced platform spanning the region.



PHYSICIANS

Meet a reliable and experienced partner in Sobi with a dedicated patient-centric approach.



BUDGET-HOLDERS & HEALTHCARE SYSTEMS

Provided with robust dossiers in order to evaluate treatments and include them in local healthcare systems.







Lower risk and spread investments.

Haemophilia



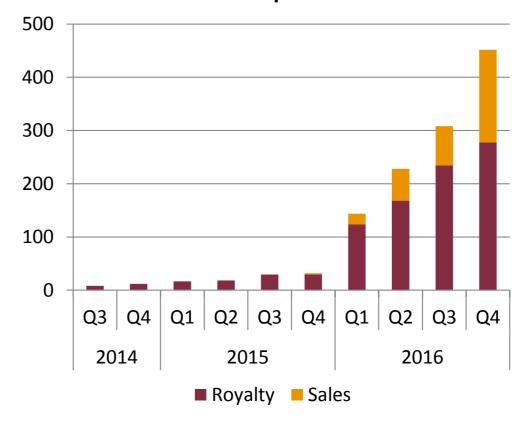


Haemophilia



- FY revenue of SEK 1,853 M (96)
 - SEK 327 M (2) in sales
 - SEK 803 M (95) in royalty revenue
 - SEK 708 M in one-time credits
 - SEK 14 M in milestone revenue

Royalty and Sales Revenues (SEK M): Haemophilia



^{*} Excluding one-time royalty credits and milestone revenues

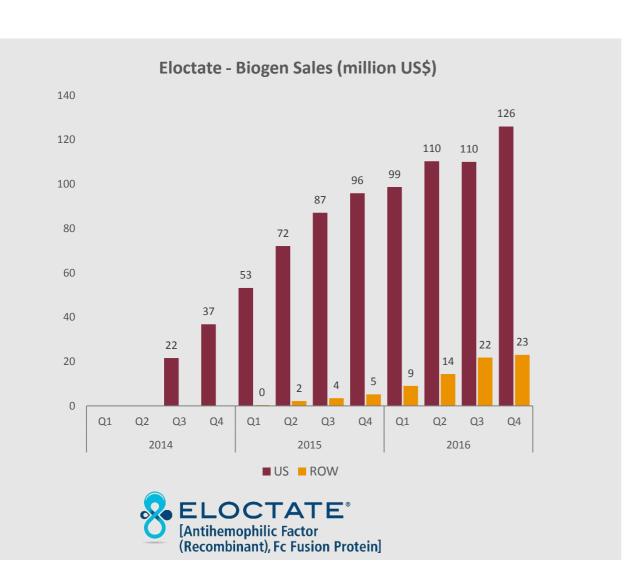
The Sobi and Bioverativ collaboration

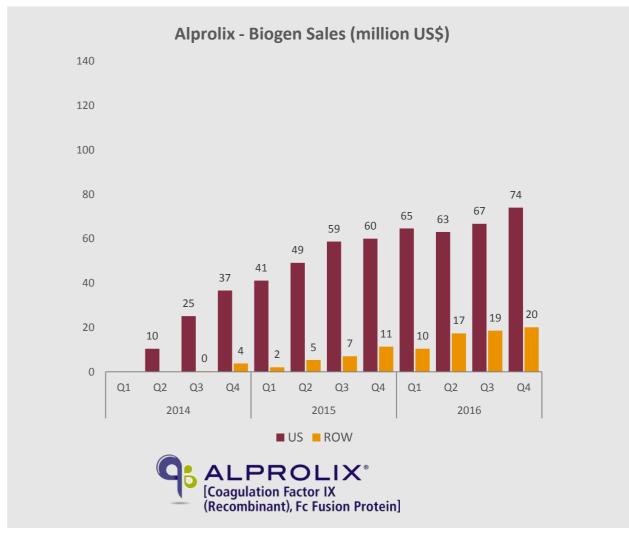




Haemophilia – Bioverativ revenues

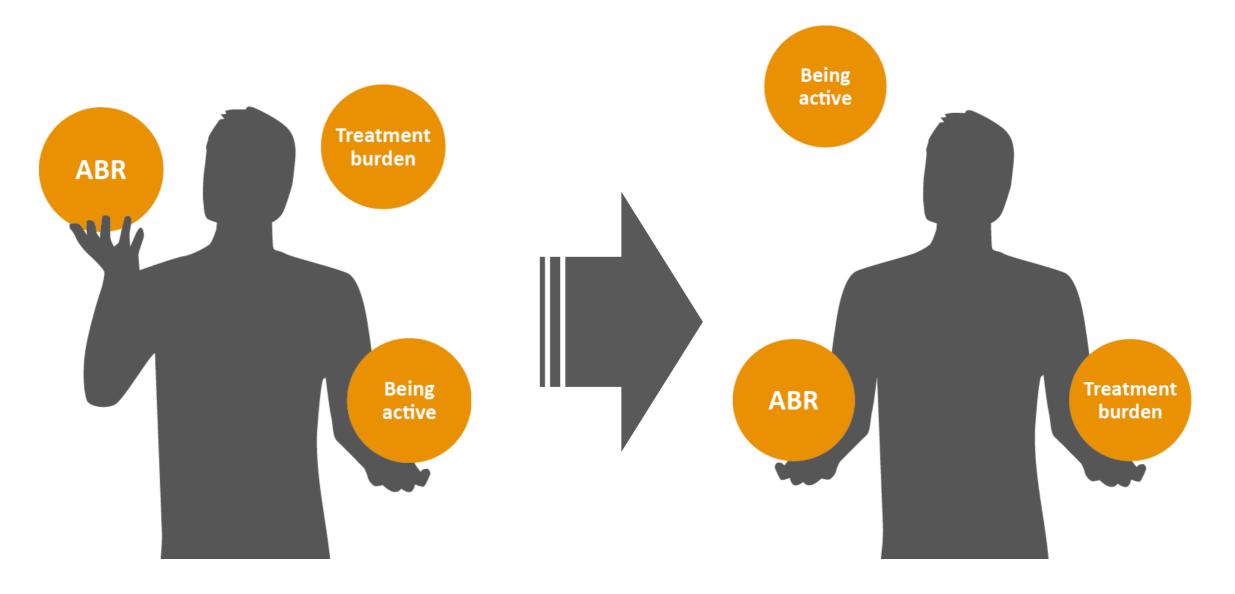






Redefining protection in haemophilia





Top Priority: Access to medicines + human rights



Sustainability factors import to Sobi



- A Access to healthcare and medicines
- B Sustainable and secure supply-chain
- C Responsible marketing and sales activities
- D Ethics in research
- **E** Engagement with patient groups
- F Research and development incl pipeline-programs
- G Regulatory and legal environment
- H Product safety and quality
- I Anti-corruption
- J Diversity and equal opportunity
- K Sustainable workforce

- Environmental management regarding water, chemicals and pharmaceuticals
- M Anti-competetive practices
- N Protecting personal information
- Counterfeit drugs prevention
- Greenhousegas emissions
- Tax transparency and responsibility

"Persons living with a rare disease tend to remain a marginalised and invisible population, with little information available about their diseases and very few treatment options. They suffer inequality in accessing healthcare services and treatment, and in the prices they have to pay, due to their social status or their country of origin."

The NGO Committee for Rare Diseases (United Nations, New York)

Dialog with stakeholders to ensure sustainable access

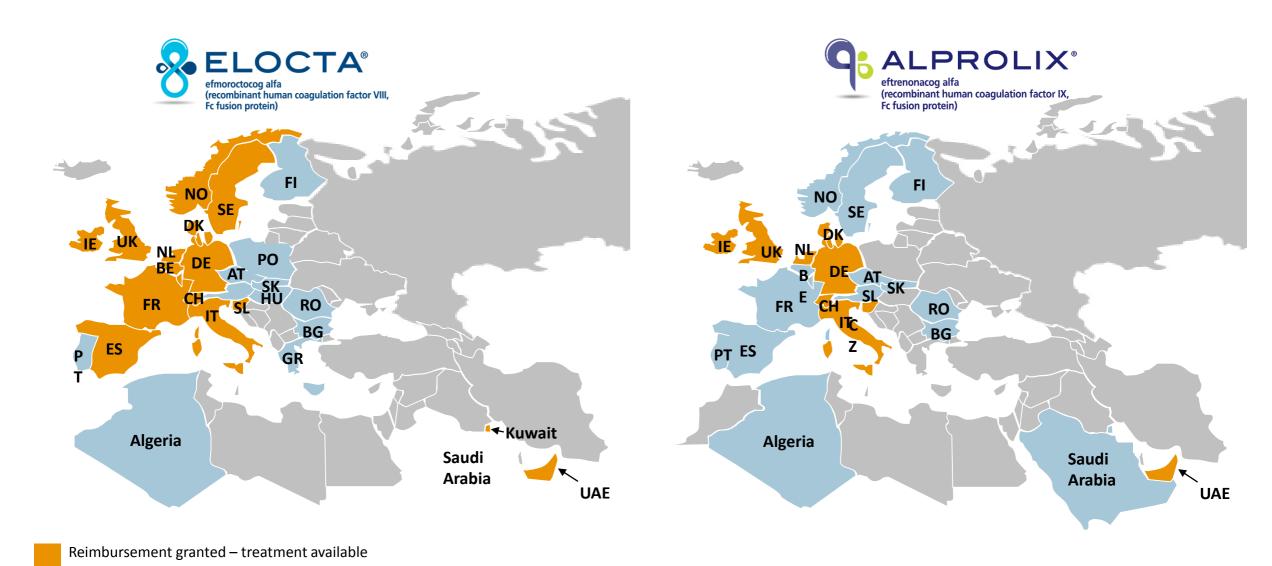




- Annual pricing is comparable to existing recombinant factors; often lower based on consumption savings
- Average time to reimbursement of 4.5 months across first 8 markets

Elocta & Alprolix reimbursement status Q1 2017





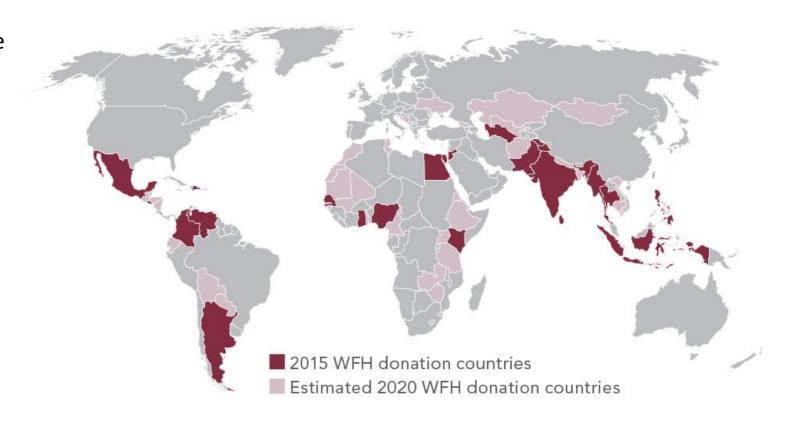
Pricing & reimbursement decision-making in process

Commitment to the global Haemophilia community



- Supporting leadership programmes, youth fellowship, and new technologie workshops in collaboration with the European Haemophilia Consortium (EHC)
- To provide predictable, sustainable access to people with haemophilia in developing healthcare systems
- Regular donations through WFH
- Emergency aid through Direct Relief

One billion international units over ten years*



^{*}Donation programme started in July 2015

Reaching patients in 40 countries

Sobi

Donation statistics July 2015 to December 2016

Humanitarian Aid reaching patients worldwide

188 MIU

IUs of clotting factor donated

12,757

Acute bleeds 893 life-saving

14,800

People treated in 40 countries

695

Surgeries **70 life-saving**

Percentage of paediatric patients receiving treatment in these countries has nearly doubled

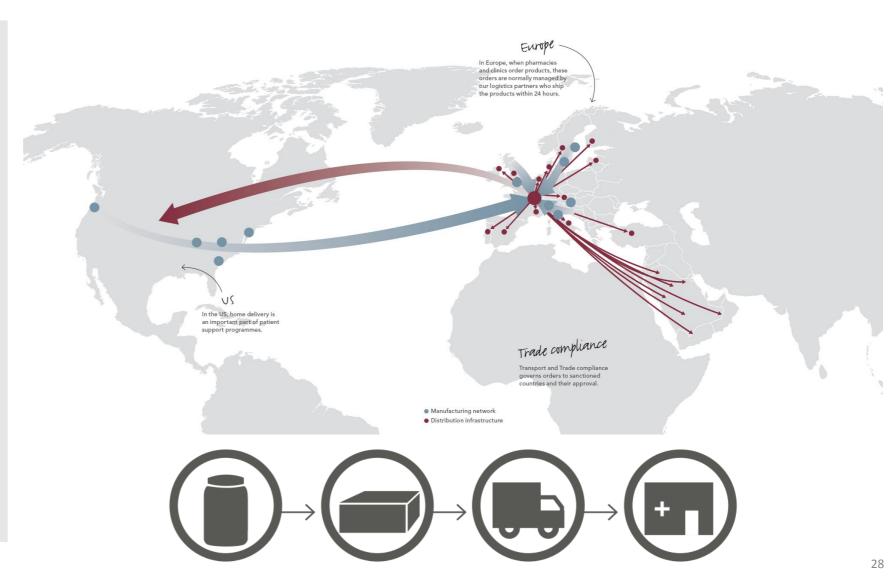
(from 14% to 28%)



Supply chain security and sustainability



- We distribute to 60 counties world wide
- Serialisation project to ensure that products are not falsified
- Sobi has implemented due diligence-processes to reduce the risk for corruption and bribery



Pipeline





Our pipeline projects



Therapeutic area/Indication	Product/ Project	Pre-clinical	Phase 1	Phase 2	Phase 3
Haemophilia A	Elocta/A-SPIRE*				
Haemophilia A	Elocta/PUP ^{1*}				
Haemophilia B	Alprolix/B-YOND*				
Haemophilia B	Alprolix/PUP1*				
Acute gout	Kineret/anaGO				
Still's disease	Kineret/anaSTILLS				
Alkaptonuria	Orfadin/SONIA2				
MPSIIIA	SOBI003				
Anti-C5	SOBI005				
Anti-IL-1	SOBI006				

^{*}Extension trial for an already approved indication

¹ PLIP = Previously untreated nationts

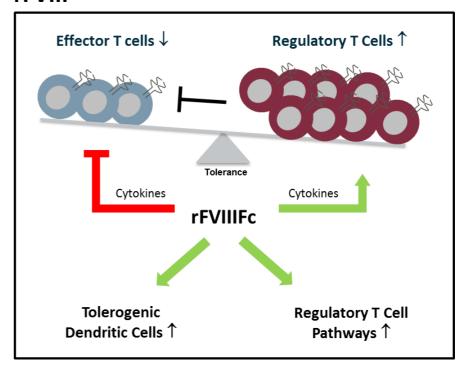
Fc fusion and immunoregulation



Initial preclinical data provides the scientific rationale for investigating rFVIIIFc in ITI¹

- Fc-fused antigens have been implicated in the regulation of immune responses and Fcfused proteins may have a role in promoting tolerance
- In mice, rFVIIIFc resulted in significantly lower antibody responses to rFVIII compared to other commercial rFVIII products
- rFVIIIFc at therapeutic levels appears to induce tolerance to rFVIII and up-regulates key tolerance-related proteins and cytokines in hemophilia A mice

Working model for proposed mechanism of action of rFVIIIFc in induction of immune tolerance to rFVIII



Adapted from Krishnamoorthy et al. Cell Immunol 2016

Sobi and Bioverativ will investigate Elocta/ELOCTATE for Immune Tolerance Induction in 2017



'First ITI attempt' Study

Objective: To investigate rFVIIIFc for ITI in patients with severe haemophilia A with inhibitors undergoing ITI for the first time

'Rescue ITI' Study

Objective: To investigate rFVIIIFc for ITI in patients with severe haemophilia A with inhibitors who have failed previous ITI therapies

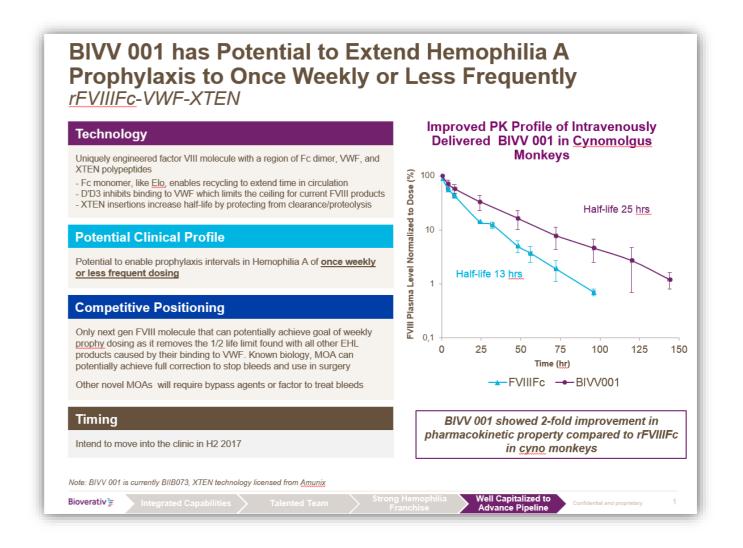
Both studies expected to start in mid-2017

Bioverativ to advance BIVV001 in H2 2017



Investigated to extend haemophilia A prophylaxis to once weekly or less frequent dosing

- Plans to advance to clinic in H2 2017
- Bioverativ development programme
- Sobi has opt-in right at EU filing

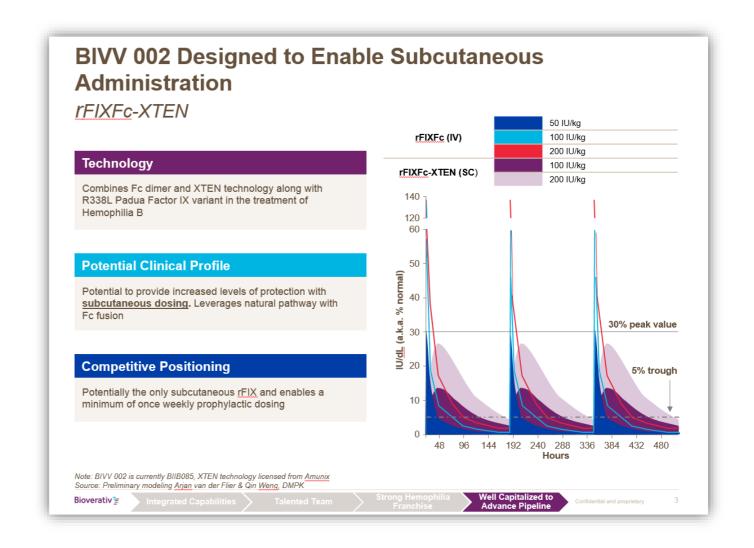


Bioverativ to advance BIVV002



Investigated to enable subcutaneous administration

- Working to advance programme towards the clinic
- Bioverativ development programme
- Sobi has opt-in right at EU filing

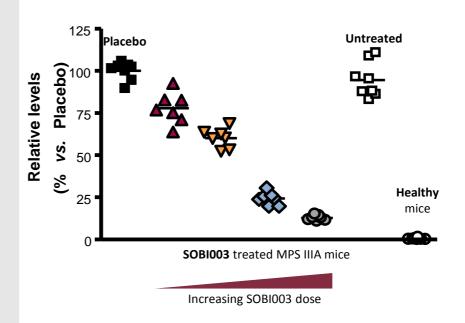


SOBIO03 for MPS IIIA

() SOD

- Systemic ERT with CNS penetration

- MPS IIIA is a Lysosomal Storage Disease heparan sulfate accumulates and causes significant CNS morbidity and mortality
- SOBI003 is a recombinant human sulfamidase enzyme which has been modified to facilitate CNS uptake
- Orphan designation for SOBI003 was granted by the EC (Oct 2016)



Dose dependent reduction of tetrasaccharide storage in the brain of MPS IIIA mice following treatment with SOBI003

Building our future



Strong focus on our business and capabilities within rare diseases

- 1. Diverse, growing, and profitable base business in Europe and North America focused on rare diseases
- 2. Launching first-to-market long-acting haemophilia factors in Sobi territory providing forward cash flow to continue to build company
- 3. Growing the business organically with new partner products, and with a pipeline of early stage rare disease biologics

