

Moventix

Bioventix Presentation: Islington, January 2017

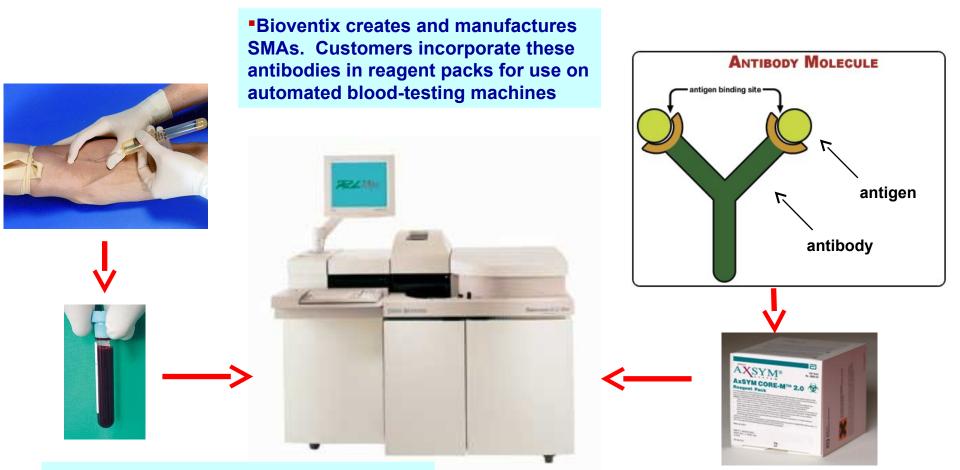
- Blood testing and antibodies
- Bioventix revenue model and currency effects
- Sheep antibodies (SMAs) and niche applications
- Recent financials

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- Business continuity
- Conclusions & outlook

Automated Blood Testing

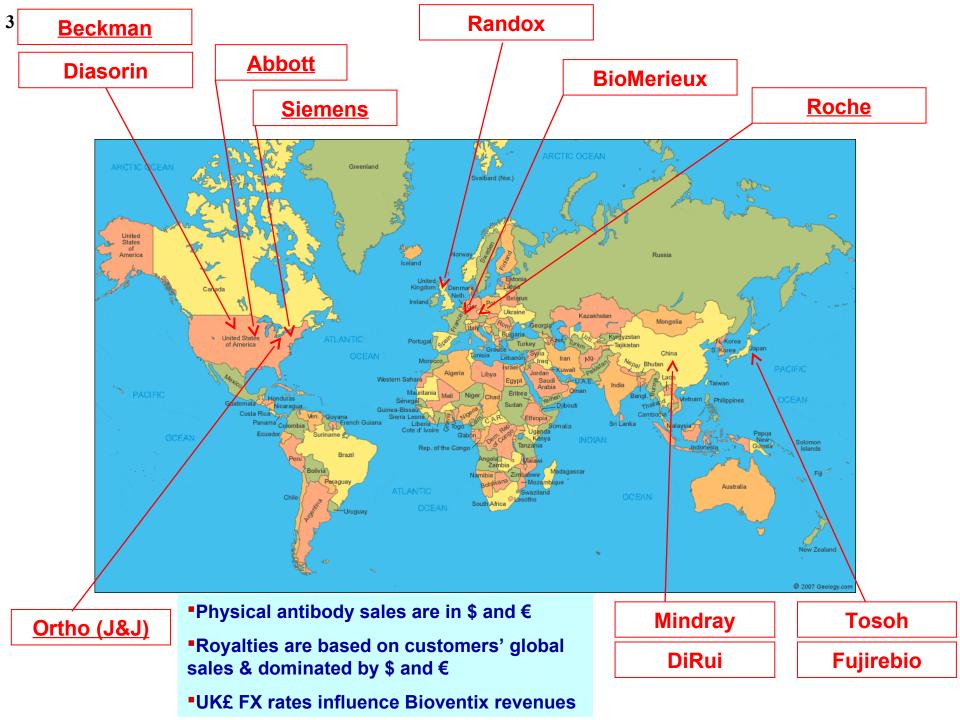


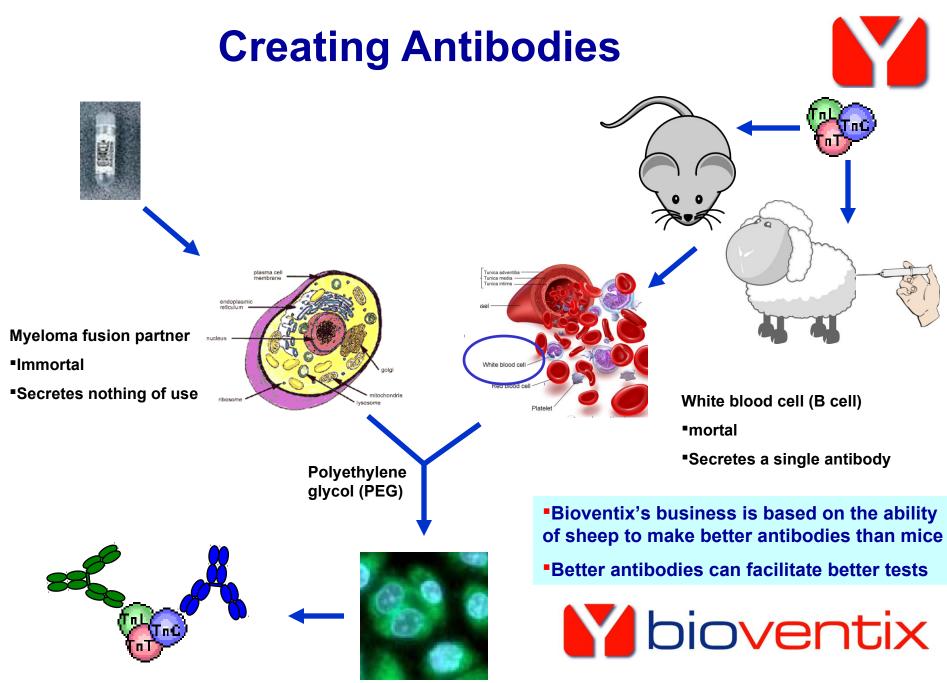


SMA means <u>sheep monoclonal antibody</u>

 Bioventix revenues are based on sales of physical (liquid) antibody – and royalties on the downstream use of the antibodies

Mbioventix





Why SMAs? (testosterone)

Clinical Chemistry 49, No. 8, 2003

Clinical Chemistry 49:8 1381–1395 (2003)

Endocrinology and Metabolism In 2003, it became clear that testosterone testing for women was inadequate

Testosterone Measured by 10 Immunoassays and by Isotope-Dilution Gas Chromatography–Mass Spectrometry in Sera from 116 Men,

Joëlle Taieb,¹ Bruno Mathian,² Françoise Millot,³ Marie-Claude Patricot,² Elisabeth Mathieu,⁴ Nicole Queyrel,⁵ Isabelle Lacroix,⁶ Claude Somma-Delpero,⁷ and Philippe Boudou^{8*}

Women, and Children

Roche published their prototype assay in 2008 and launched this assay in 2009

It is the Buioventix antibody that made this possible Immunoassays for Testosterone in Women: Better than a Guess?

Endocrine Abstracts (2008) 16 P631

Development of an Elecsys[®] Testosterone II Immunoassay with an improved performance for measurement of testosterone in women

Judit Oldekamp, Klaus Hirzel, Erich Schneider & Dieter Gassner

Roche Diagnostics GmbH, Penzberg, Germany.

Immunoassays for testosterone produce sometimes incorrectly high results in female samples. The reasons of this phenomenon are not fully understood, but interference by cross-reacting substances and inaccurate calibration can be critical. One known endogenous interfering substance is dehydroepiandrosterone sulphate (DHEA-S). Other substances still have to be identified.

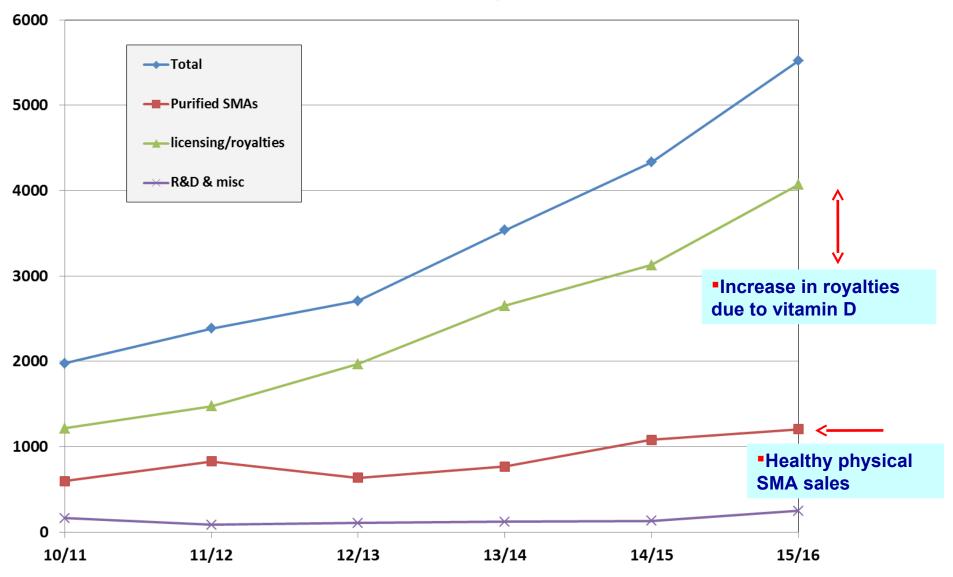
An Elecsys[®] Testosterone II assay using a new high affinity sheep monoclonal antibody (<u>Bioventix SMA testo3.6A</u>3) is currently in the development pipeline for the Elecsys and cobas e immunoassay platforms.

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Editorial



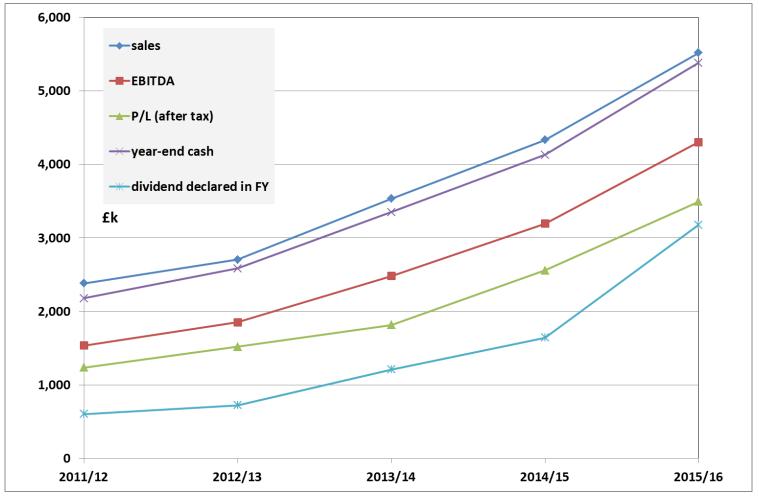
Year Sales by Sector



•Key antibodies : vitamin D > NT-proBNP (heart failure) > testosterone > T3 > estradiol > various drugs







Dividend yield has been 3-5% (excluding special dividend November 2016)



Revenue Continuity +1 year HINNIN SERVICES Prototype test AXSYM* AXSYM CORE-٠ 2-4 years **Old test** = 3-5 years total

Bioventix takes about 1 year to make antibodies

Customers take 2-4 years to: formulate a prototype test; conduct field trials; submit data to regulatory authorities; obtain marketing approval

 This is an impediment to revenue growth – but delivers longer term revenue continuity

Volumentia

Conclusions and Outlook



- 2015/16: Excellent performance for the financial year as robust core business supported by increased vitamin D antibody sales
- 2016/17: modest additional growth expected from our vitamin D antibody and currency effect (2H.2016 v 2H.2015)
- 2017/18: high sensitivity troponin project expected to generate royalties and anticipated to balance revenues lost through termination of NT-proBNP revenues of £700-800k
- 2018-2020: growth linked to success of Siemens & their high sensitivity troponin project (for chest pain & heart attack diagnosis)
- 2020-2030: growth linked to new products emerging from the company's R&D pipeline and collaborative work with new biomarkers (Oslo)

Many recent investors have been income-orientated and view modest growth as an added bonus

