

2nd Sal.Oppenheim European Healthcare Investors Conference Frankfurt am Main, 4th September 2007



## Biotest at a glance

## Plasma proteins

Immunoglobulins
Coagulation factors
Human Albumin



### **Diagnostics**

Immunological diagnostics Microbiological diagnostics



# Development of Biotherapeutics

**BT-061** 

**BT-062** 

**BT-063** 





## **Global Specialist in Growing Markets: Key Figures**

2006: € 281.9 m Sales of

H1 2007: € 158.4 m

**EBIT** of 2006<sup>.</sup> € 31.4 m

H1 2007: € 18.2 m

67 % of sales are generated outside Germany

~ 1,200 employees worldwide (FTE)

180 patents on products and procedures

Listed at the German Stock Exchange since 1987

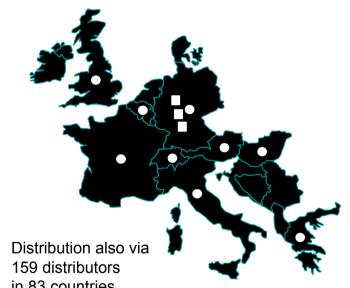
Total Market Cap € 342.2 m (15 August 2007)

5,995,675 ordinary shares

4,666,667 preference shares

#### Production sites and distribution centres

☐ Production Sales



in 83 countries

Sites outside Europe

(Diagnostics):

Denville, USA (○□) and **Tokyo**  $(\bigcirc)$ .



## Biotest Plasma proteins: Markets and competitive Position

Global market share: 2 - 3 %

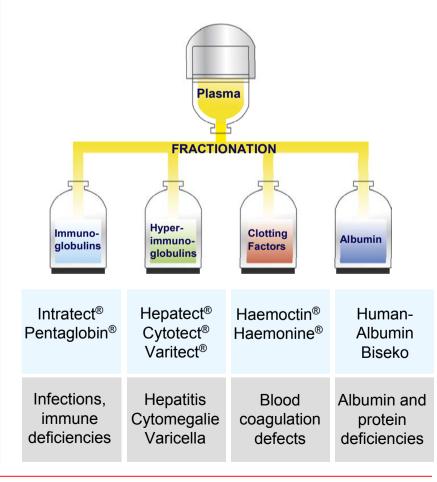
Market Shares in Germany, Austria, Greece > 20 %

Major competitors: Baxter, CSL Behring, Talecris, Octapharma, Grifols

Increase in demand for IVIG in Europe and the USA due to new indications, e.g. autoimmune diseases

Increase of plasma collection in developed world limited by regulatory hurdles

Pricing fundamentals remain favourable





# Biotest Plasma proteins: Increase in sales caused by quantum and prices

Segment Pharma 75% of Biotest group sales

Increase in revenues by 20.3% to €118.4 m in H1 2007 compared to H1 2006

Growth caused by quantum and prices

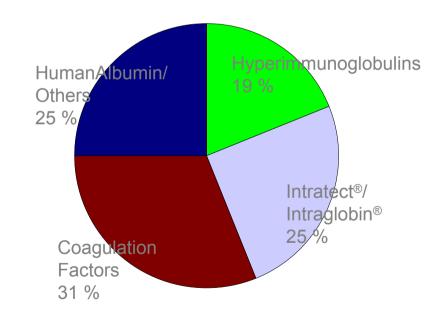
Sales increase in all four product groups

Strong increase in sales of Intratect®/Intraglobin® and Coagulation factors in H1 2007

Albumin continues to recover, increasing demand

## Revenues H1 2007 by Products [%]

Total Revenues Segment Pharma: €118.4 m





## Biotest Plasma proteins strategy: Upgrading product portfolio, entering new markets

Upgrading the product portfolio by **modernisation** of the production process

**Expansion** of international marketing & sales

#### **Expansion EU:**

Further extension of approvals in European countries by MR (mutual recognition procedure)

#### Market Entry USA:

High priority: introduction of Biotest Plasma proteins in the US market





### Biotest Plasma proteins strategy: New areas of indication

#### Cytotect® in pregnancy

According to clinical studies, Cytotect® dramatically reduces severe disorders in newborn babies caused by cytomegalovirus infections in embryos

Market potential €30 m in Europe, €40 m in the USA

Orphan drug designation granted by EMEA (Europe) and the FDA (USA) in 2006.

H2 2007: start of clinical studies for approval of new indication – duration approx. 2 years

#### Cytotect® in organ transplantation

Publication in "Lancet Oncology" 2007: administration of Cytotect® significantly reduces the risk of lymphomas following organ transplant surgery

#### Cytotect® Biotest/ Megalotect®





## Biotest Plasma proteins: New production facilities

CAPEX of > € 75 m up to 2006

Fractionation capacity of 700000 litres

Production capacity of 400 m I.U. factor VIII/ IX

Expansion of chromatographic purification of immunoglobulins to 4 000 kg by the end of 2008

Further investments of € 9 m till end of 2008





## **Biotest Diagnostics: Markets and Competitive Position**

Sales in the Diagnostic segment H1 2007 · € 40 m

Strong growth in microbiological diagnostics (hygiene monitoring): strong demand in the pharmaceutical industry, raising demand in food and cosmetics industry

But flat sales in immunological diagnostics: intense competition and high pressure on margins in Europe

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#### Transfusion

Definition of blood groups

Search of antibodies

#### **Transplantation**

Typing of tissues (matching of donor's and recipient's tissue)

## MICROBIOLOGY Hygiene **Monitoring**

**Detection of germs** and particles

No 4 worldwide with a market share of 4 %

Market share in Europe 6 - 7 %

Main competitors: Ortho, Biorad, Immucor

No 3 worldwide with a market share of 12 %

Main competitors: One Lambda, Invitrogen, Innogenetics

Among Top 5 worldwide

Market share of 8 - 10 %

Main competitors: VWR, Becton Dickinson, Biomerieux, Oxoid



# Diagnostics strategy: Focusing on core markets

#### Immunological diagnostics

Q2 2007: comprehensive programme to increase earnings was initiated, implementation of measures has started

#### Additional:

Establishment of a new Marketing &Sales organisation for transfusion diagnostics in the USA



#### Microbiological diagnostics

Broadening the market base: Market expansion through investments in marketing & sales

In June 2007 heipha Dr. Müller GmbH has been granted licenses from United States Department for Agriculture to export culture media to the USA





### **Biotest Biotherapeutics:** Focused research

Three monoclonal antibody (MAb) projects:

Unique mode of action

High medical need

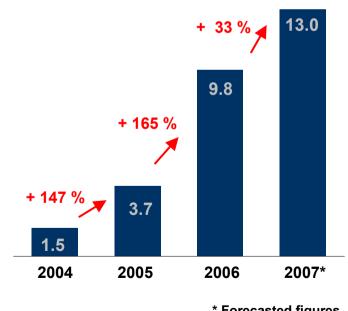
Fast growing markets

Blockbuster potential

#### Biotest MAb and major indications:

BT-061	Rheumatoid Arthritis Psoriasis				
BT-062	Multiple Myeloma				
BT-063	Systemic Lupus Erythematosus and other Autoimmune Diseases				

#### **Expenses for biotherapeutics [€ m]**





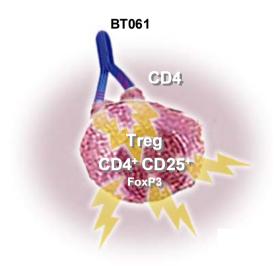
## **Biotest Biotherapeutics:** Focused research

#### **BT-061**

**Immunemodulator** 

Demonstration of good tolerability in a recently completed Phase I clinical study.

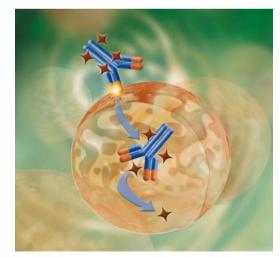
Data on efficacy expected at the beginning of 2008



#### **BT-062**

Cooperation and license agreement with ImmunoGen secures exclusive rights to use TAP technology for BT-062

Start of clinical testing at the Dana Farber Cancer Institute in Boston and other centres in the USA expected for the first half of 2008



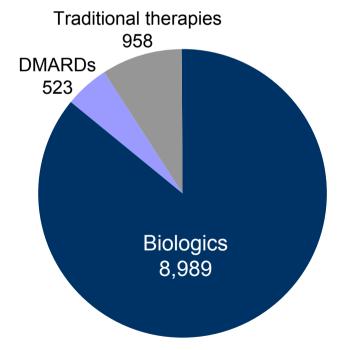


# The Unmet Need: Major progress made in the treatment of rheumatoid athritis (RA), but still medical need for new drugs

- ~ 50% of patients stay on their drug for less than 2 years due to adverse events or loss of efficacy
- $\sim$  25% of patients do not respond to TNF- $\alpha$  antagonist therapies
- ~ 30% of patients do not have adequate control (ACR 50) with most effective current therapies
- ~ 60 80% of patients do not display major clinical response (ACR 70)
- ~ 80 90% of patients do not reach remission

No drug so far has gained approval for remission

## Estimated sales of drugs for treatment of rheumatois arthritis (RA) in 2008 [US \$ m]

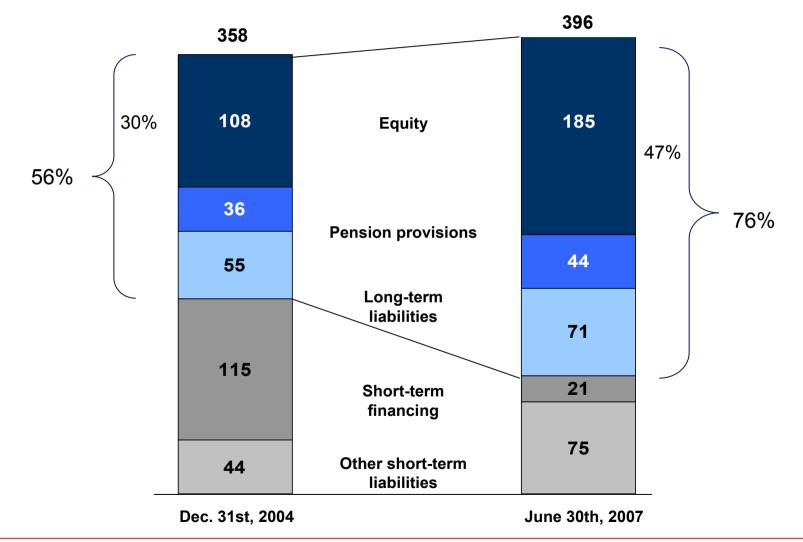


Nature Reviews Drug Discovery 2005, Vol. 4, pp 11-12



### Growth is based on sound long-term financing

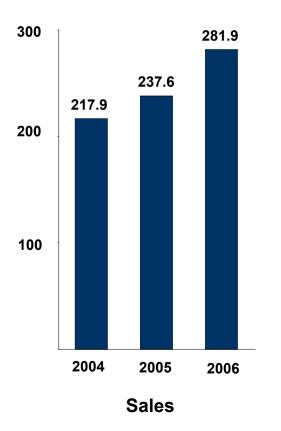
[€m]

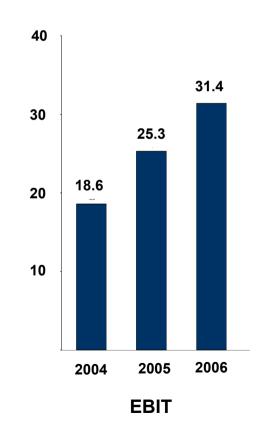


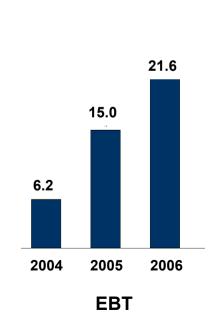


## Continuous increase in Sales, EBIT and EBT 2004 - 2006

[€m]









### Biotest remains on course Financial review H1 2007 - Guidance 2007

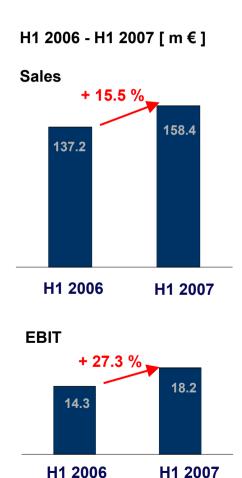
Profitable growth in the first half of 2007 for the Biotest Group: sales up 15.5 %, increase in EBIT of 27.3%

Growth resulted primarily from strong business in plasma proteins as well as microbiological diagnostic products.

Measures introduced to increase earnings in immunological diagnostics.

#### Guidance 2007

Considerable rise in forecast for full year: Sales growth between 12 - 15 % for the full financial year (previous target range 5 - 7 %) and a similar rise in EBIT.





### **Biotest Strategy - A Summary**

#### Plasma proteins

European wide approval for all Plasma proteins

Entry in the US market with Immunoglobulins

Extension of production facilities

#### **Diagnostics**

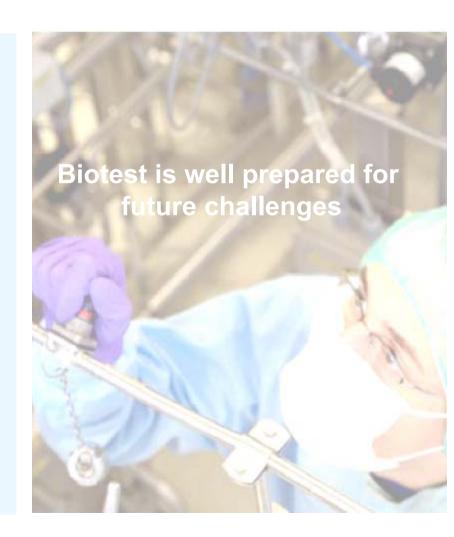
Partnering for Immunological Diagnostics

Market expansion for Microbiological Diagnostics

#### **Biotherapeutics**

Three monoclonal antibodies with blockbuster potential

Cost sharing by partnering from phase III onwards





#### **Disclaimer**

This document contains forward-looking statements on overall economics development as well as on the business, earnings, financial and asset situation of Biotest AG and its subsidiaries. These statements are based on current plans, estimates, forecasts and expectations of the company and thus are subject to risks and elements of uncertainty that could result in deviation of actual developments from expected developments. The forward-looking statements are only valid at the time of publication. Biotest does not intend to update the forward-looking statements and assumes no obligation to do so.



## **Appendix**



## **Biotest Group: Balance Sheet**

ASSETS	Dec. 31, 2006 [ €m ]  [ %]		June 30, 2007 [ €m ]  [ % ]	
Fixed Assets	154	43	160	40
Inventories	105	29	113	29
Trade Receivables	74	20	95	24
Cash and Cash Equivalents	9	3	7	2
Other Assets	20	5	21	5
Total Assets	362	100	396	100

#### **EQUITY and LIABILITIES**

Equity	179	49	185	47
Provisions	62	17	63	16
Financial Liabilities	81	23	85	21
Trade Payables	24	7	37	9
Other Liabilities	16	4	26	7
Total Equity and Liabilities	362	100	396	100