

Fresenius Kabi Capital Market Day Agenda – Tuesday, June 12, 2012

| Time | Presentation | Speaker | Index |
|------------|--|--|-------------|
| 9.00 a.m. | Welcome / Opening Remarks | Birgit Grund | |
| | Introduction | Dr. Ulf M. Schneider | |
| | Business Overview and Growth Drivers | Rainer Baule | 1 |
| | Financials and Financial Outlook | Gerrit Steen | 2 |
| | Product Segments - Global Leadership - Medical Needs Clinical Nutrition Infusion Therapy | Prof. Dr. Martin Westphal Manfred M. Köhler Marc Crouton | 3 4 5 |
| 11.00 a.m. | Break | All | |
| | IV Drugs Medical Devices Innovation and Operations | John Ducker Dr. Christian Hauer Dr. Michael Schönhofen | 6 7 8 |
| 12.10 p.m. | Q+A Session | All | |
| 12.40 p.m. | Lunch Buffett | All | |



Capital Market Day 2012

June 12, 2012

















Business Overview and Growth Drivers

Rainer Baule

Chairman of the Management Board

Capital Market Day Fresenius Kabi, June 12, 2012

Agenda



- 1 Introduction
- 2 Product Portfolio
- 3 Strong Worldwide Network
- 4 Market Positions
- 5 Business Development
- 6 Growth Drivers
- 7 Management
- 8 Success Factors

Fresenius Kabi Strong Track Record Meets Strong Growth Prospects



2011

Sales: **€3,964 m**

EBIT: **€803 m**

Employees: **24,106**



Product Portfolio Comprehensive Product Portfolio for the Hospital



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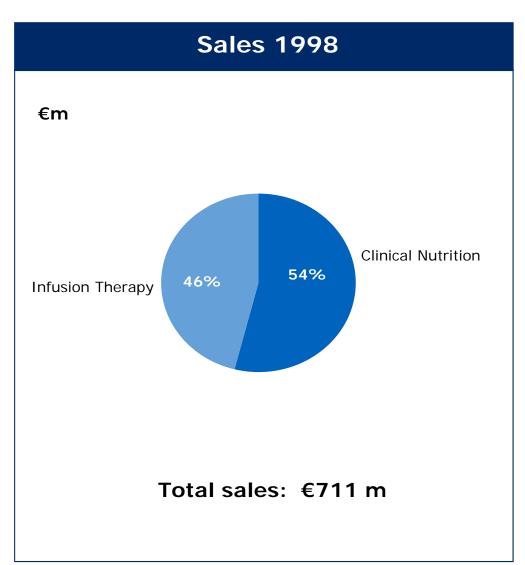
| | | 103 2011 |
|--------------------|--|----------|
| Clinical Nutrition | Parenteral & Enteral Nutrition | £1,154 m |
| IV Drugs | Intravenously Administered Generic Drugs | £1,438 m |
| Infusion Therapy | Infusion Solutions, Colloids | €895 m |
| Medical Devices | Pumps, Disposables, Infusion Management Systems, Transfusion Technology | €477 m |

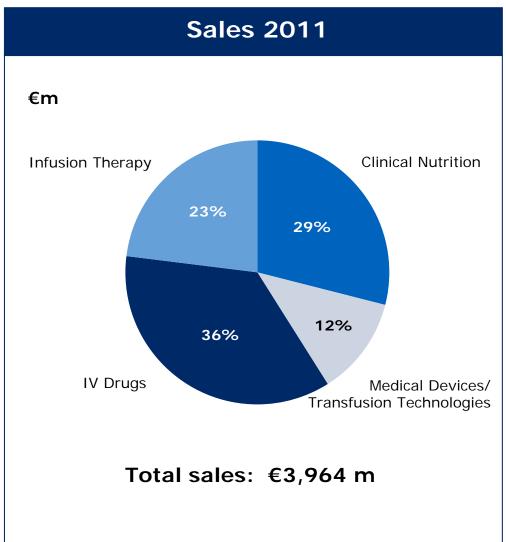
Total: €3,964 m

Fresenius Kabi covers all hospital needs in those product segments

Business Development Diversified Product Portfolio

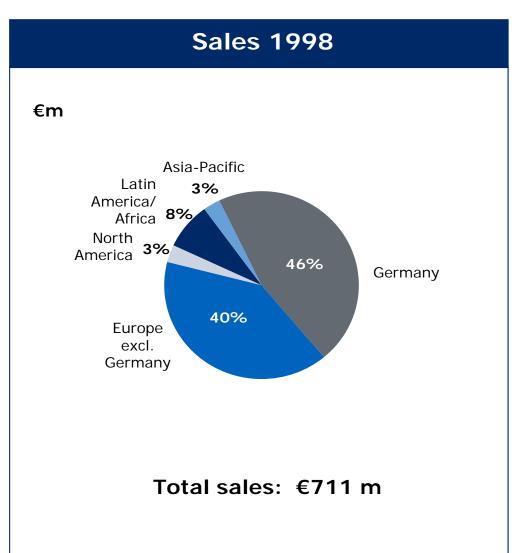


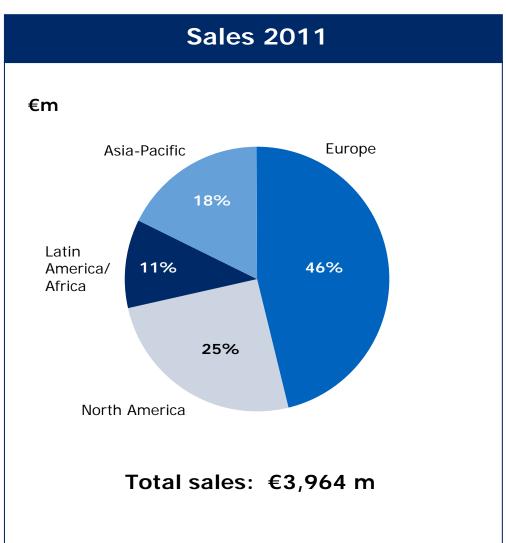




Business Development Sales by Region

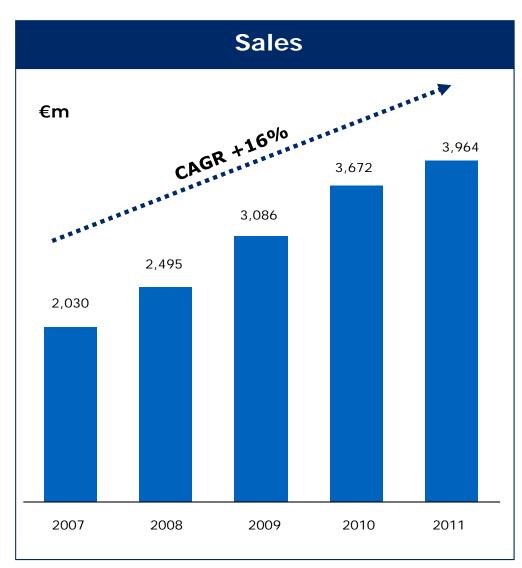


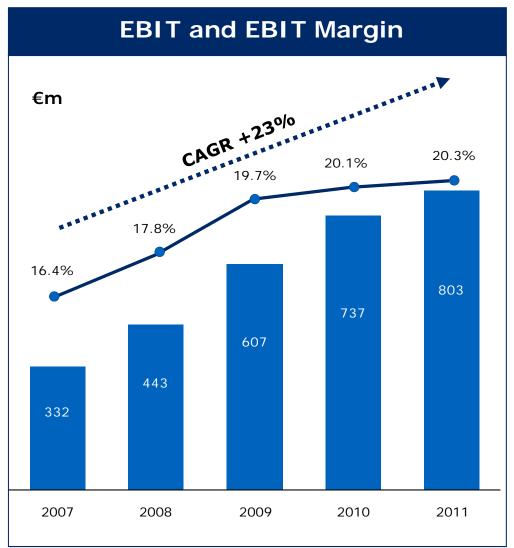




Business Development Excellent Track Record







CAGR: 2006 - 2011

Strong Worldwide Network Think Global – Act Local



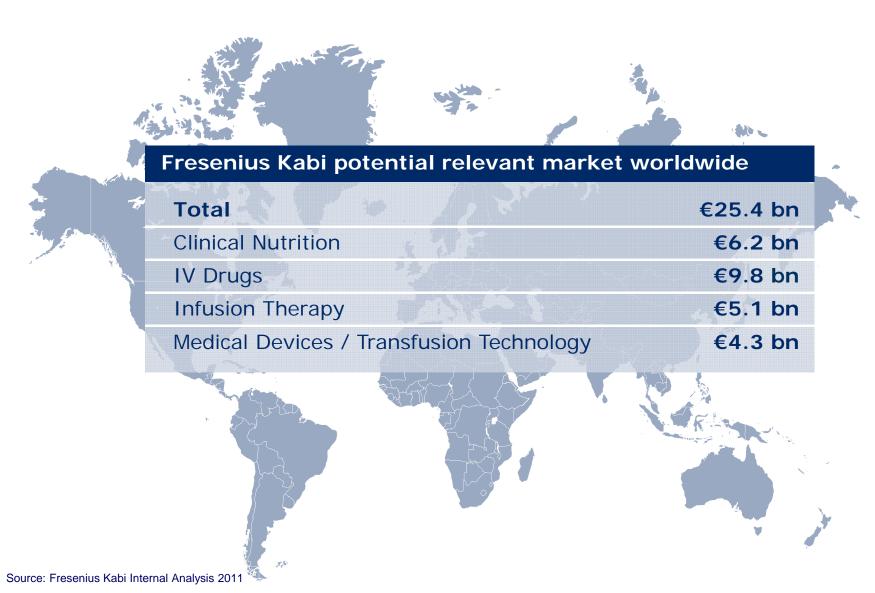
Our strong worldwide network

- **59** Sales & Marketing Organizations
- 61 Production Sites andCompounding Centers
- **14** R&D Centers
- 24,106 Employees



Market Positions Addressable Market





Market Positions Strong Presence in Markets and Product Segments



| Clinical Nutrition | No No | |
|--------------------|--------------|--|
| IV Drugs | No No | |
| Infusion Therapy | Therapy No 2 | |
| Medical Devices | No No | |

Growth Drivers Key Driving Forces of the Health Care Market



Market Growth Drivers



Dynamic emerging market growth



Continuing growth of generics



Market consolidation



Demographic development

Growth Drivers Forces of the Market are Met by Our Strengths



Fresenius Kabi Growth Drivers



Robust pipeline in all product segments



Geographic product rollout



High level of vertical integration



Excellence in quality

Management **Experienced Management Team**



Chairman Rainer Baule

(until Dec 31, 2012)



Deputy Chairman Mats Henriksson

(Chairman as of Jan 1, 2013)



Region Central/ Eastern Europe, Nordics & Middle East



Manfred Köhler

Region West & South Europe, Latin America & Africa



Marc Crouton

Region Asia-Pacific



Thomas Mechtersheimer

Region North America



John Ducker

Science, Production & Technology



Dr. Michael Schönhofen Gerrit Steen

Finance



Global Business Center Clinical Nutrition & **Pharmaceuticals**

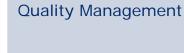
Harald Straatsma

Global Business Center IV Drugs & Standard Solutions

Dr. Marc-Alexander Mahl



Dr. Christian Hauer



Dr. Andrea Bauer



252 years of management experience in health care

Success Factors Well Positioned for Future Growth



Unique Position With Attractive Growth Potential

- High quality and affordable products for the therapy and care of critically and chronically ill patients
- Most comprehensive product portfolio for core therapeutic areas
- Seamless network of marketing, sales and production sites
- Attractive market positions
- High level of vertical integration driving cost and technology leadership

Fresenius Kabi Strong Track Record Meets High Growth Perspectives



2015

Sales: ~€5,500 m*

EBIT: >€1,000 m*



^{*}At current exchange rate

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Safe Harbor Statement

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Financials and Financial Outlook

Gerrit Steen

Member of the Management Board Chief Financial Officer

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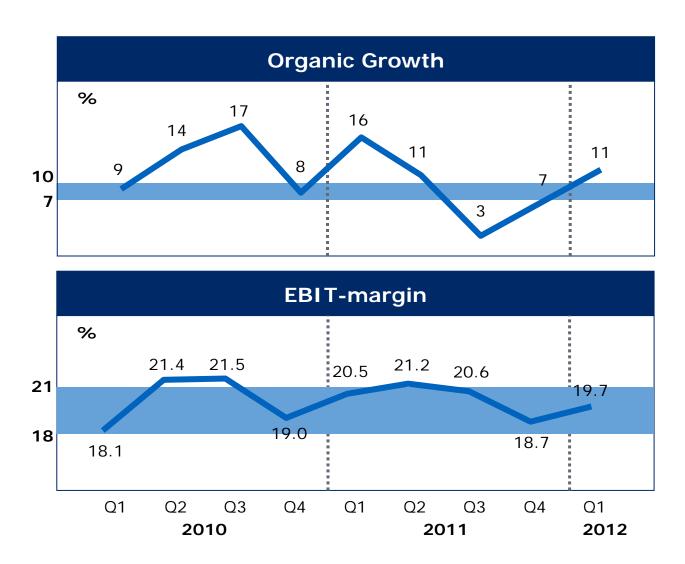
Agenda



- 1 Sustainable Growth + Attractive Margins
- 2 Price / Volume Development
- 3 Profit & Loss Structure
- 4 Regional Margin Structure
- 5 Capex
- 6 Cash Flow
- 7 2012 and Mid-term Outlook

Sustainable Growth + Attractive Margins Quarterly Trend Q1/2010 - Q1/2012

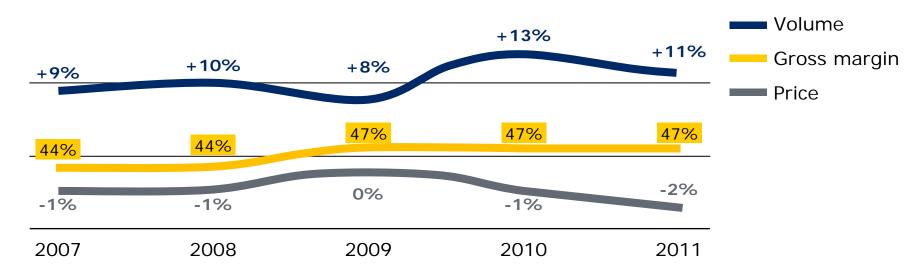




Price / Volume Overall Development



- Worldwide pricing pressure has been compensated by efficiency gains in production
 - Price erosion constantly at low single-digit rates -> expecting same magnitude going forward
 - 10% average volume growth p.a. 2007 2011 -> expecting same magnitude going forward
- Gross margin increase from 44% (2007) to 47% (2011)



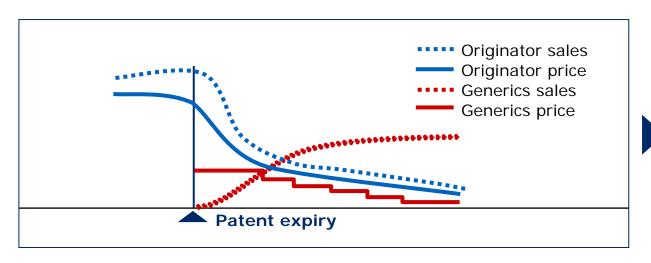
Price / Volume Development IV Drugs



Despite higher price erosion in IV Generics, Fresenius Kabi can still generate highly attractive margins because of:

- Vertical integration
- Production efficiencies
- Flexibility in production volume changes

Being first to market adds additional returns



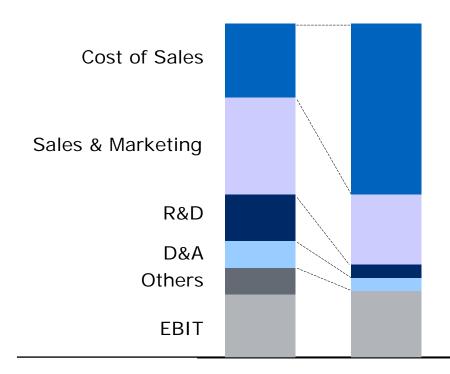
Production and
Regulatory
Competitiveness is Key

Strong price impact of patent phase, number of competitors and tendering or local pricing regulations

Profit & Loss Structure Large Pharma Company vs. Fresenius Kabi



Illustrative



Fresenius Kabi:

Comparable EBIT margin at lower risk

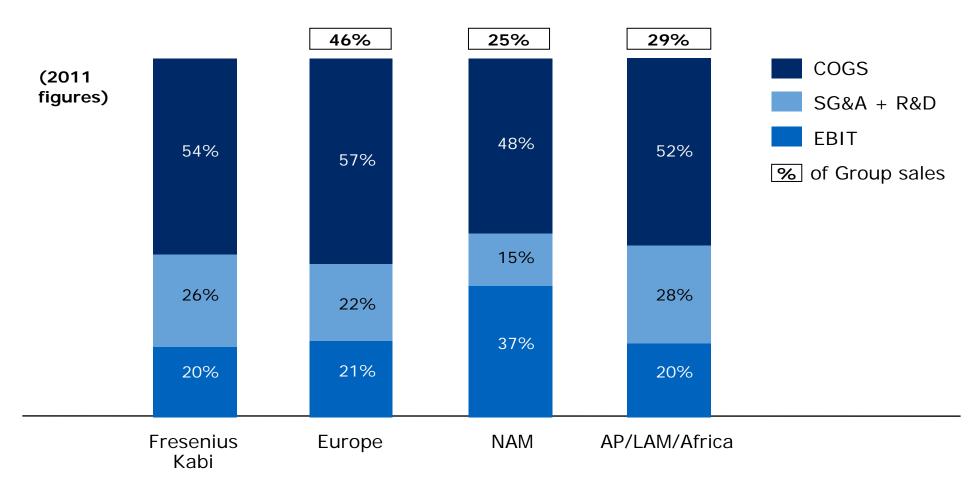
- Production costs as key driver
- R&D lower risk profile
- Leaner SG&A structure

Large Fresenius Pharma Co. Kabi

Regional Margin Structure Driven by Maturity of Markets and Product Mix



Profit & Loss Structure

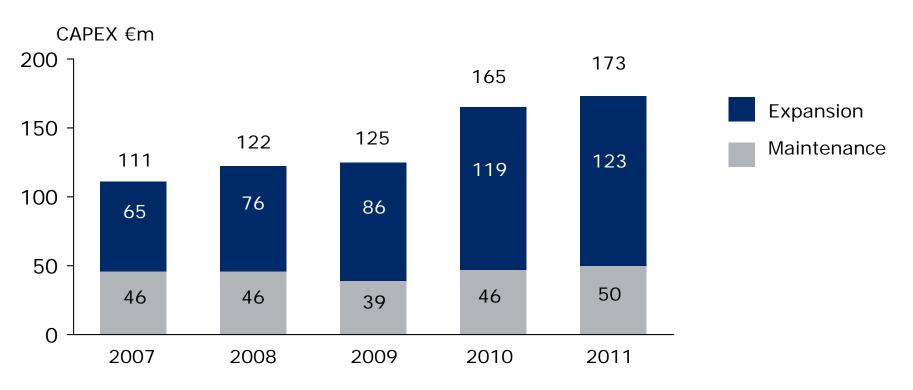


Capex Backbone for Sustainable Growth



Continuous investments in state of the art manufacturing technologies for best-in-class efficiency, quality leadership and supply reliability

Target corridor of 4 - 5% of sales -> going forward absolute Capex therefore to further increase



Cash Flow Sample Cash Flow Development and Outlook

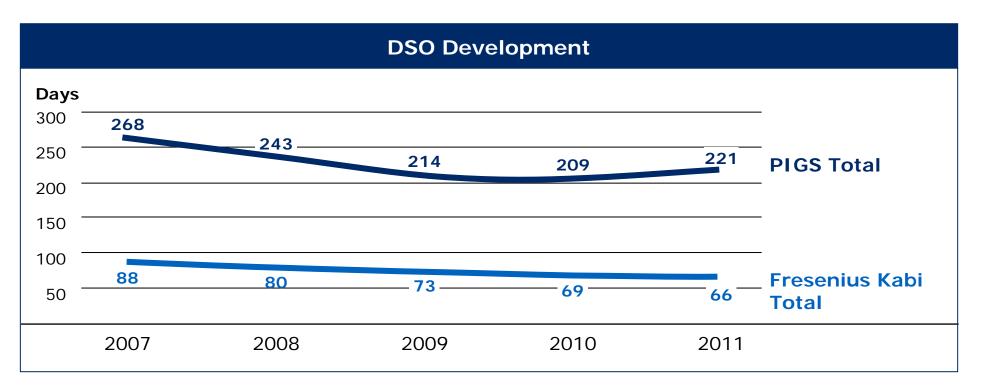


| | | | Trend |
|--------------------------------------|-------|----------|----------|
| Operating cash flow (sample figures) | 19.5% | EBIT | → |
| | -6.5% | Interest | Ψ |
| | -3.5% | Tax | → |
| | -2.5% | WC/Other | → |
| | +3.5% | D&A | → |
| | 10.5% | CFFO | 1 |

- CFFO margin to stay above 10% with upside potential
- Interest to improve
- Working Capital investment not to increase
- FCF at mid-single digits, also going forward

Cash Flow Receivables/DSO Development





- Improved DSO despite Euro debt crisis
- Even better DSO in PIGS countries than before crisis
- Early factoring activities mainly in 2008 2010

2012 and Mid-term Outlook 2012 Guidance Raised Again



| | 2012 | |
|----------------------|---------------------|--------------|
| | previous | update |
| Organic Sales Growth | 6 - 8% | 7 - 9% |
| EBIT Margin | 19.5 - <u>20.0%</u> | 20.0 - 20.5% |

Planning premises:

- Strong business in all regions
- Drug shortages in the US stronger than expected
- Volatility of US IV drugs business to stay but about 75% of the global Fresenius Kabi business is outside the US
- Macroeconomic environment challenging but well controlled (DSO)
- FX translation effects: 1ct. change US\$/€ = ~€6 m sales or 3bps EBIT-margin

2012 and Mid-term Outlook Mid-term Outlook Fully Confirmed



| | Mid-term |
|----------------------|----------|
| Organic Sales Growth | 7 - 10% |
| EBIT Margin | 18 - 21% |

Mid-term outlook fully confirmed

- Supported by strong business in all regions
- US EBIT margin to normalize to low 30ies
- Leverage cost structure
- Production efficiencies and volume effects to maintain gross margin

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Medical Needs

Prof. Dr. Martin Westphal

Executive Vice President & Chief Medical Officer Global Medical & Clinical Affairs

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An Example Patient Treatment Hospital Admission



- Chris, 62 year old male patient
- Colorectal carcinoma
- Hospital admission for neoadjuvant radio-/chemotherapy and surgery
- Patient receives i.v. electrolyte solution (Jonosteril), as well as medication against pain (Paracetamol) and nausea (Ondansetron)







Admission

An Example Patient Treatment Neoadjuvant Therapy



- Chemotherapy with **5-Fluorouracil** compounded in a **Fresenius Kabi** compounding center combined with radiation therapy for 6 weeks
- Fresubin energy drinks to maintain energy balance
- Ondansetron to attenuate chemotherapy-induced nausea and vomitus







An Example Patient Treatment Anesthesia



- Deep anterior resection of the rectum
- Preparation for anesthesia:
 - Intravenous electrolyte infusion (Jonosteril)
 - Administration of iv drugs using **Agilia pumps**
 - Perioperative antibiotic prophylaxis with Ceftriaxon/Metronidazol
- Patient controlled epidural anesthesia (PCEA) with Ropivacain
- Target controlled infusion (TCI) with Propofol and Remifentanil, muscle relaxation with Cisatracurium











Admission Chemotherapy Anesthesia & Surgery

An Example Patient Treatment Surgery



- Perioperative maintenance of fluid homeostasis with a crystalloid solution (Jonosteril)
- After 2 hours of surgery, a significant bleeding occurs → Patient receives a colloid to maintain circulating blood volume (Voluven; 6% HES 130/0.4) and vasopressors to stabilize hemo-dynamics until blood products are available (Compoflex blood bags)
- Patient is transferred to the intensive care unit (ICU)











Admission Chemotherapy Anesthesia & Surgery

An Example Patient Treatment Admission to the Intensive Care Unit



- Sedation with Propofol → weaning and extubation on ICU day 2
- Parenteral nutrition for 5 days via a central venous catheter and a port
 - → 3-chamber bag with amino acids, lipids and carbohydrates
 - → Blood transfusion with Compoflex blood bags
- Omega-3-fatty acids to attenuate systemic inflammation
- Glutamin to reduce hospital length of stay and mortality











Admission Chemotherapy Anesthesia & Surgery



An Example Patient Treatment Intensive Care Unit Day 5



- Parenteral nutrition is switched to enteral nutrition with Fresubin
- Liquid enteral nutrition for further 5 days
- Beginning of mobilization and planned discharge on day 10





Admission Chemotherapy Anesthesia & Surgery

ICU

ICU day 5

An Example Patient Treatment Discharge to General Ward



- Patient is discharged to the general ward after 10 days in the ICU
- Adjuvant radio- and chemotherapy with 5-Fluorouracil and Irinotecan plus radiation with 50 gray for 6 months
- Planned discharge from hospital after 3 days
- Problem: Surgical wound healing
 - → Initiation of wound therapy with **Tegaderm**
 - → Glutamin Plus to foster recovery







Admission Chemotherapy Anesthesia & Surgery

ICU

ICU day 5 General ward

An Example Patient Treatment Discharge From Hospital



Patient is discharged from the hospital at day 13





An Example Patient Treatment Intermittent Radio-/Chemotherapy and Homecare



- Ambulatory radio-/chemotherapy for 6 months with 5-Fluorouracil and Irinotecan, radiotherapy with 50 gray
- Care of chronic wound healing disturbance with **Tegaderm** products
- Home care including Glutamin Plus



An Example Patient Treatment Outcome



- Patient is screened regularly
- No signs of tumor recurrence or metastasis
- Wound healing is significantly improved



An Example Patient Treatment Summary of the Products Used in this Patient



- Chemotherapy: Irinotecan, 5-Fluorouracil (compounded in FK compounding centers)
- Critical Care: Ondansetron
- Anesthesia and Pain Medicine: Propofol, Remifentanil, Cisatracurium, Ropivacain, Paracetamol
- Antibiotics: Ceftriaxon, Metronidazol
- Infusion/Transfusion: Jonosteril, Voluven, Compoflex blood bags
- Parenteral Nutrition: Kabiven, Omegaven, Dipeptiven
- Enteral Nutrition: Fresubin, Glutamin Plus, Fresubin energy drinks
- Medical Devices: Agilia pumps, TCI, Tegaderm
- Disposables



What Makes Fresenius Kabi So Special in the Health Care Segment?



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Product Segments Clinical Nutrition

Manfred M. Köhler

Member of the Management Board

President Region Central/Eastern Europe, Nordics & Middle East

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Agenda



- 1 Malnutrition and its Impact
- 2 What is Clinical Nutrition
- 3 Fresenius Kabi's Portfolio
- 4 The Clinical Nutrition Market
- 5 Fresenius Kabi's Position in the Market
- 6 Fresenius Kabi Success Stories

Malnutrition and its Impact Malnutrition is a Problem Across the World

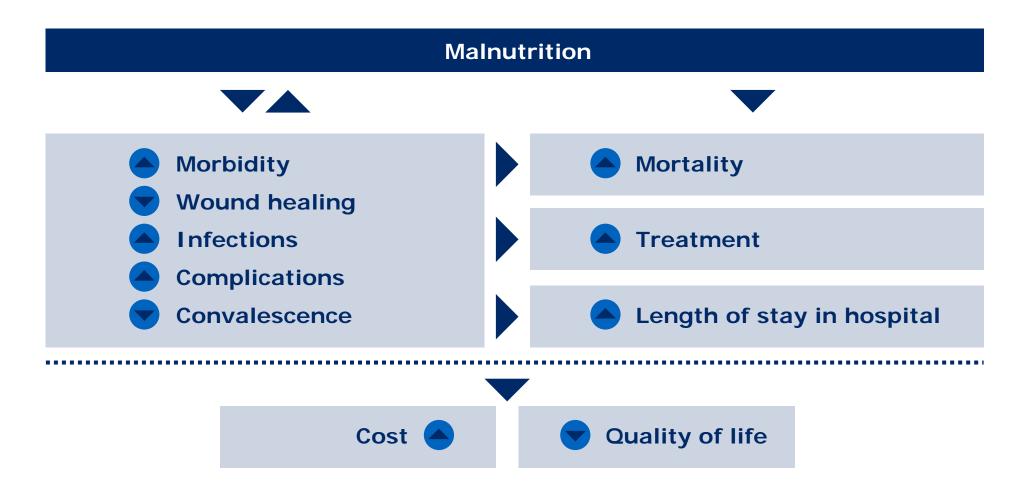


- Up to 40% of hospital patients worldwide are malnourished
 - Even in Europe 33 million patients are affected
- €120 bn* estimated costs for EU governments for treatment of disease-related malnutrition
- Clinical Nutrition is efficient to treat malnutrition and avoid associated costs
- Costs for Clinical Nutrition is less than 2.5% of cost associated with malnutrition

Source: *Ljungqvist O, Clin Nutr 2010

Malnutrition and its Impact Malnutrition Increases Health Care Cost

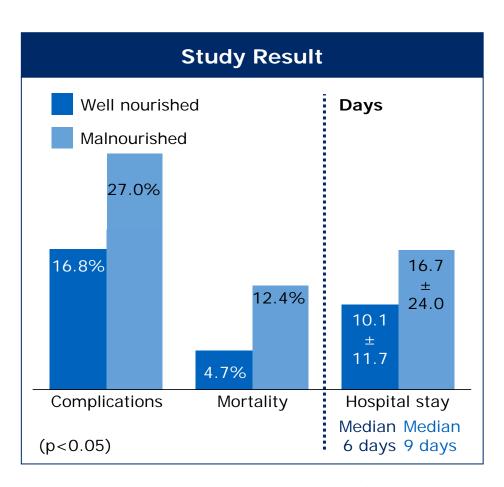




Source: Adapted from Norman K, Clin Nutr 2008

Malnutrition and its Impact Medical Benefit and Cost Savings for Hospitals





- Less complications
 - Pneumonia
 - Wound infection
 - Sepsis
- Reduced hospital stay (average 3 days reduced)
- Reduced mortality
- Well nourished patients allows 40% savings/day

n = 709 patients, nutrition status screened within 72h after admission

Source: Correia et al. 2003

Malnutrition and its Impact European Action Plans Fighting Malnutrition



- In 2009: European Parliament urged European Commission and member states to make malnutrition a key priority in the field of nutrition and health
- In 2011 definition of action plan to prevent disease-related malnutrition in the EU
- Implementation of actions against malnutrition is mandatory, e.g. in Poland and Denmark

What is Clinical Nutrition? Spectrum of Fresenius Kabi Nutrition Therapy



Regular Food

Consumer



Food

(Regular/functional/novel etc.)

No approval but marketing regulations, e.g.

Health Claim Regulation (EU) Novel Food Regulation (EU)

Not reimbursed

Spectrum of Fresenius Kabi Nutrition Therapy

Clinical Nutrition

Patients

Channels: Hospitals, e.g. Intensive Care Unit, Elderly Homes, Pharmacy, Home Care



Sip Feeding

Tube Feeding

Approval regulations, e.g.

Food for Special Medical Purposes Food for Particular Nutritional Uses



Parenteral

Intraveneous Strategies

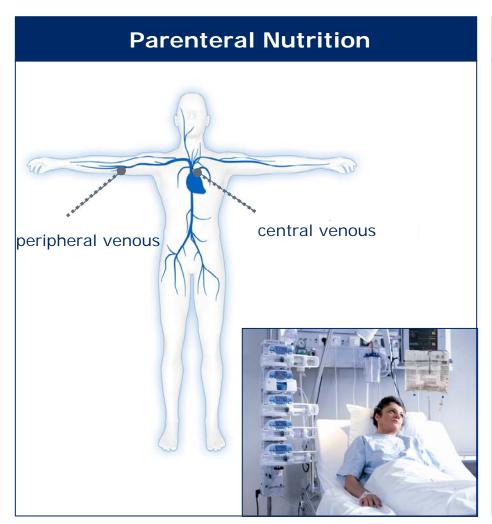
Pharma regulations, e.g.

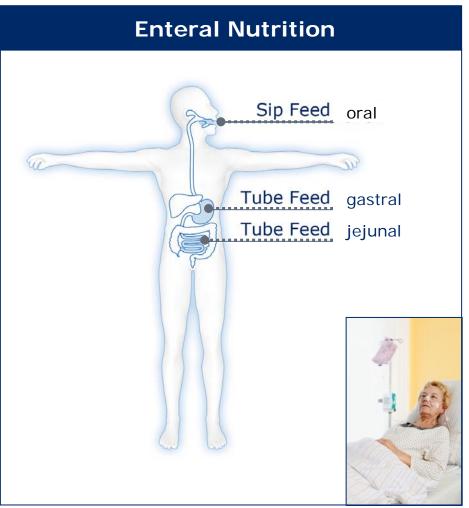
Drug registration / Ministry of Health (MOH)

Mainly reimbursed

What is Clinical Nutrition? Two Irreplaceable Routes for Clinical Nutrition

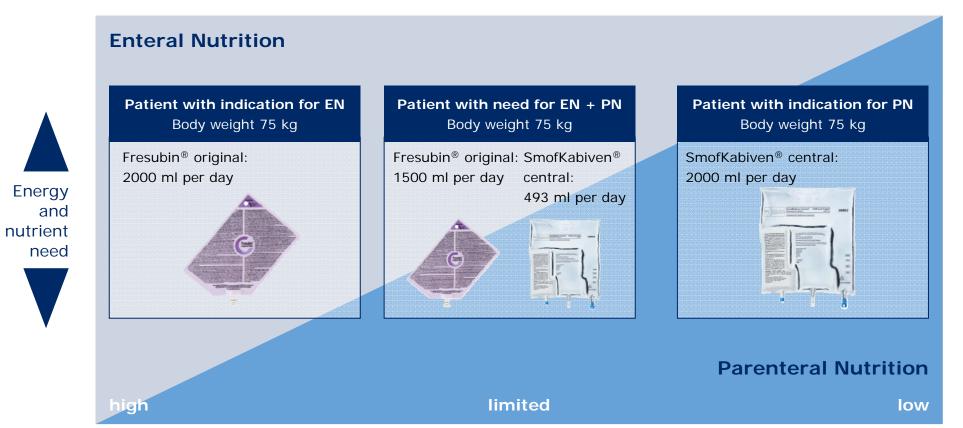






Fresenius Kabi Products and its Usage Offering Products for Enteral and Parenteral Nutrition







Fresenius Kabi's Portfolio A Unique and Comprehensive Portfolio



| | Parental Nutrition | | | Enteral Nutrition | |
|-------------|---------------------------|----------------------|------------------|-------------------|----------|
| | Multi- Chamber Bags | Single Components | Com- pounding | Tube Feed | Sip Feed |
| Pumps | V | | V | V | NA |
| Disposables | ✓ | ✓ | ✓ | ✓ | NA |







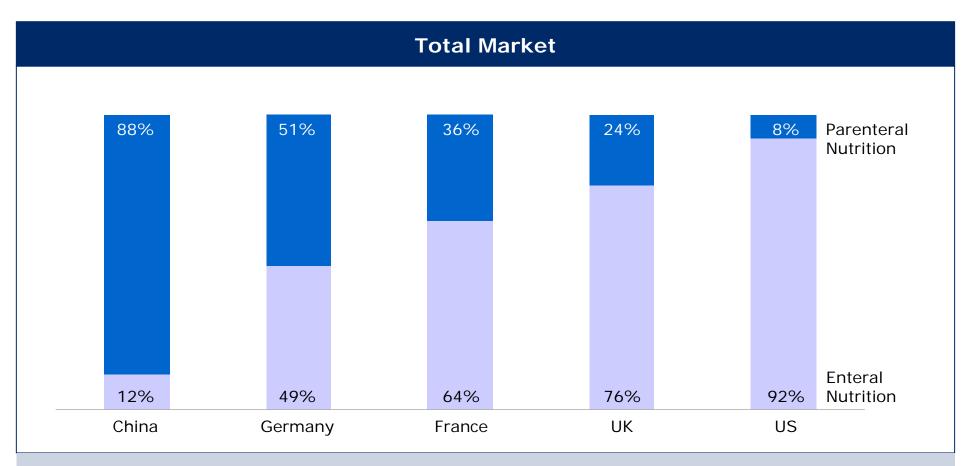






The Clinical Nutrition Market Clinical Nutrition Portfolio to Cover All Different Needs



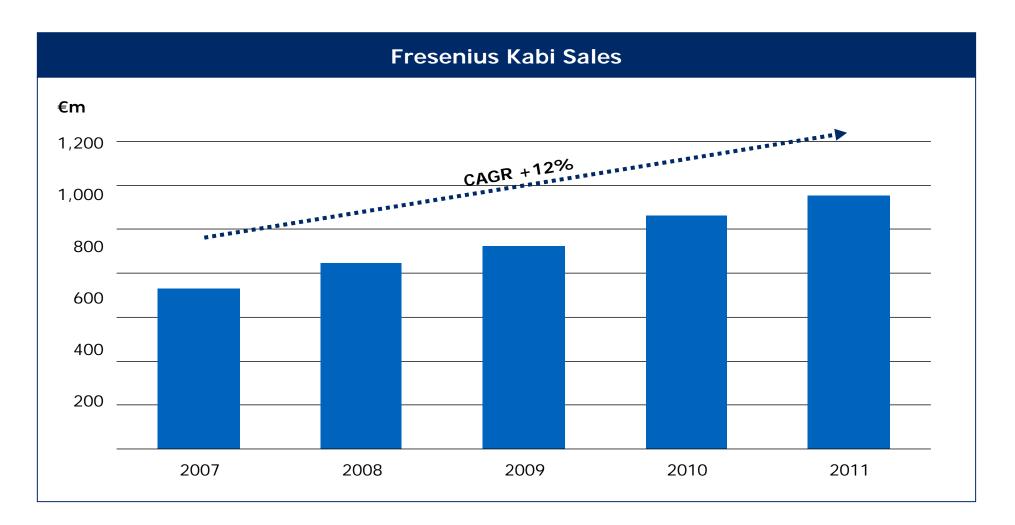


Fresenius Kabi potential relevant market size worldwide: €6.2 bn

Source: Fresenius Kabi Internal Analysis (2010)

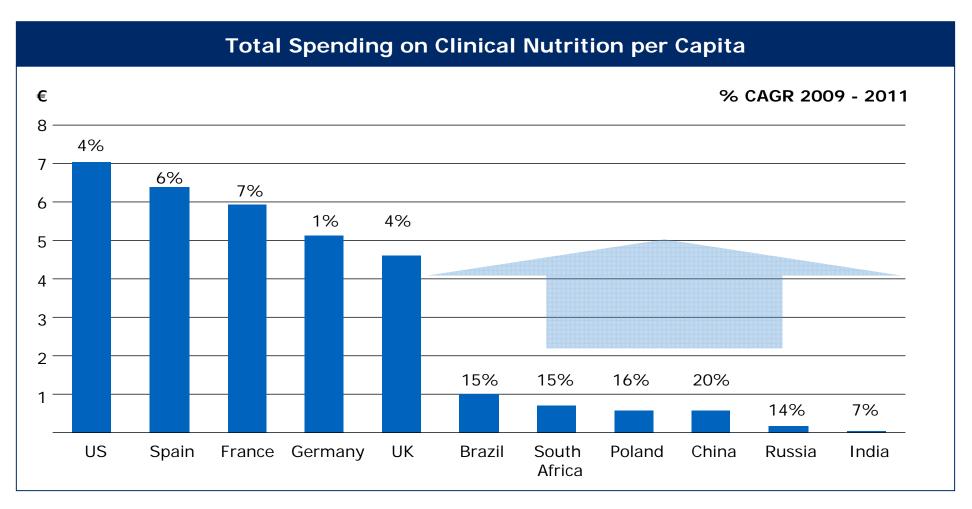
The Clinical Nutrition Market Fresenius Kabi Delivers Strong Growth





The Clinical Nutrition Market Huge Opportunity to Grow in Many Markets

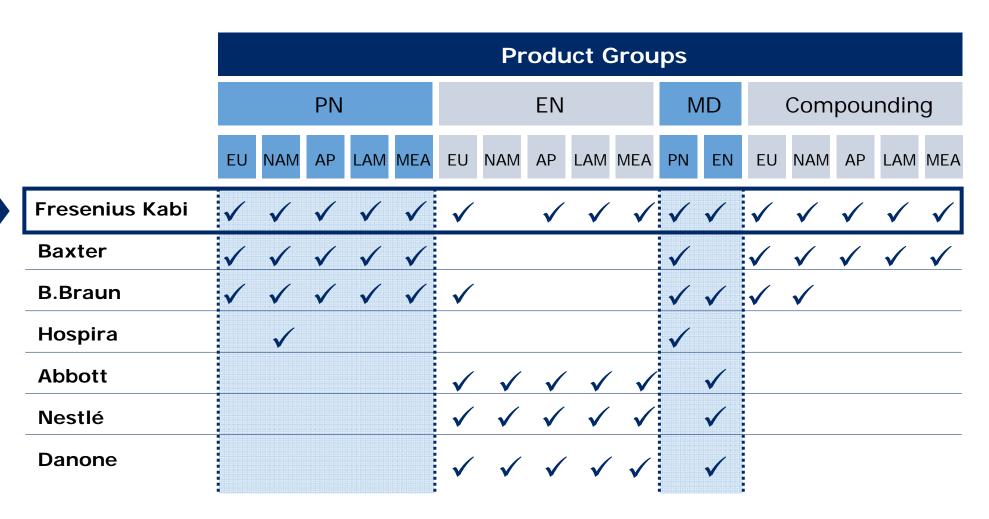




Source: Fresenius Kabi Internal Analysis (2011)

Fresenius Kabi's Position in the Market Unique Positioning vs. Competition





Source: Fresenius Kabi Internal Analysis (2011)

Fresenius Kabi Success Stories 3-Chamber Bag Innovation Shaping the Global Market

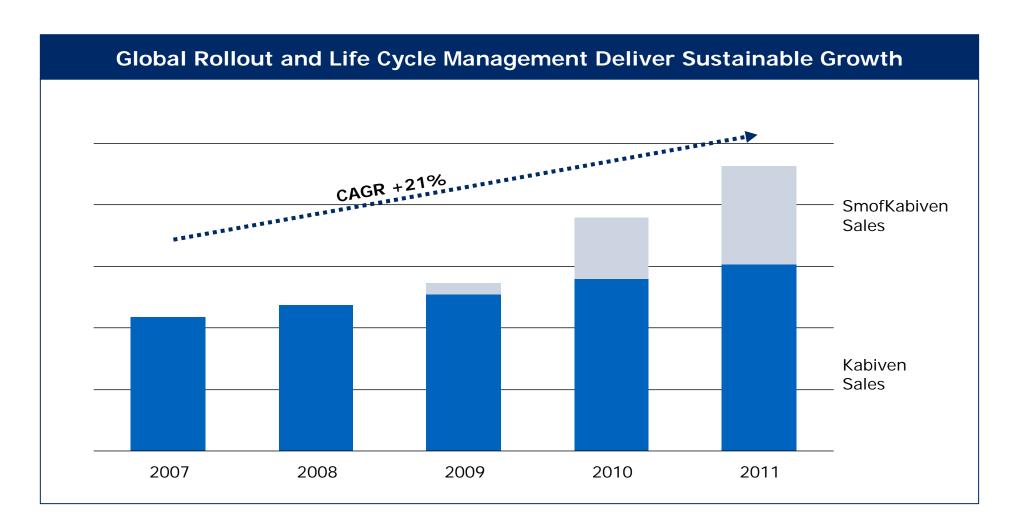


- Complete Parenteral Nutrition in a single container
- Different formulations to meet patients' requirements
- Can be used for approximately 80% of patients
- Convenient, quick and easy to handle
- 24 months shelf-life
- Improved safety: final sterilization and minimum risk of contamination



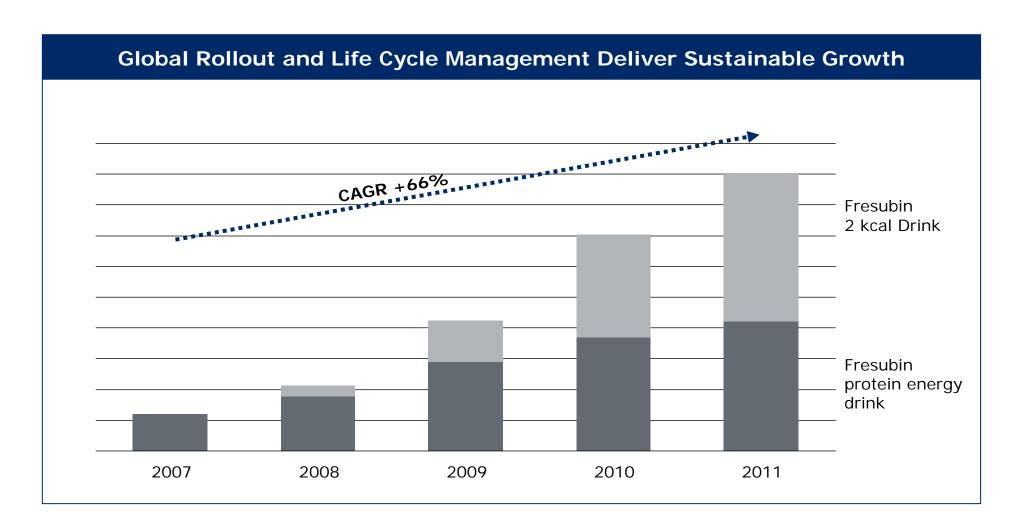
Fresenius Kabi Success Stories Global Rollout and Life Cycle Management





Fresenius Kabi Success Stories Global Rollout and Life Cycle Management



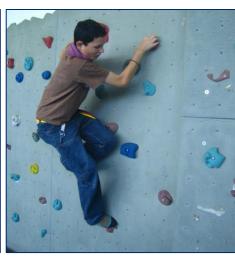


Fresenius Kabi Success Stories Clinical Nutrition Saving Lives





23 years of non-stop Parenteral Nutrition, including giving birth



Dependent on Parenteral Nutrition since early childhood & enjoying climbing



Mobile with Enteral Nutrition

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Product Segments Infusion Therapy

Marc Crouton

Member of the Management Board

President Region West & South Europe, Latin America and Africa

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- 1 What is Infusion Therapy
- 2 Fresenius Kabi's Portfolio
- 3 A Driver of Global Quality Standards
- 4 Business Model
- 5 Technology Leadership Applied to Infusion Therapy
- 6 Strong and Sustainable Business

What is Infusion Therapy Basic But Crucial Product for Every Hospital





- Basic but crucial product for all hospitals
- Each day >18 million patients receive Infusion Therapy

What is Infusion Therapy Mandatory to Substitute Blood Volume



Basic Solutions & Colloids



Intravenously administered solutions to compensate loss of fluids and to balance electrolytes and plasma pH Colloids are blood volume substitutes to maintain blood volume, hemodynamic circulation and tissue oxygenation



Fresenius Kabi's Portfolio One of the Leading Global Specialists



Longstanding Experience in Development, Production and Marketing

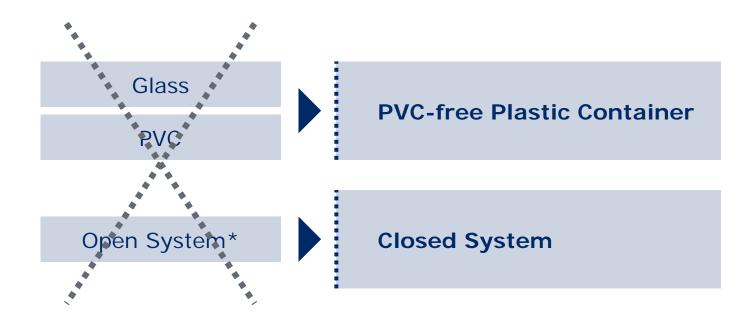
- >1.0 billion units p.a.
- Comprehensive product portfolio content and containers
- Large volume business demanding highest production, logistics and service standards
- Efficiency, safety and compatibility with drug therapies proven in numerous studies
- Market-adapted container strategy with leading-edge technologies



A Driver of Global Quality Standards Fresenius Kabi in the Lead to Improve Standards



Global Trend to Increase Quality Standards



^{*}Open System: A glass or semi-rigid plastic container, which must be externally vented to ambient air to allow fluid egress, risking contamination of the container content

A Driver of Global Quality Standards Setting Global Trends to Convert Markets



Leadership Pro-actively Translated into the Increase of Quality Standards Worldwide





Fresenius Kabi Brazil

2007: Open System

+32% in units

2011: Closed System

Business Model Successful Route of Expansion



Move to worldwide consolidation Demanding capital expenditure Global quality standards Standardization of technologies Cost competitiveness Infrastructure, key element of differentiation: Customer service **Customer loyalty** Warehousing ■ Transportation Ideal and reliable basis to support Stable and predictable business the rollout of other product groups Door opener for general partnerships Bundling offers, supply chain partnerships with hospitals Ideal acquisition targets Geographic expansion into new countries

Technology Leadership Applied Standardization of Technologies



Kabi**Pac**®

- Worldwide quality standard
- Clearly separated ports for injection and infusion
- Fully collapsible allows closed system during infusion
- Excellent drug compatibility
- PVC and latex free
- Attractive price positioning





Technology Leadership Applied Standardization of Technologies



free flex®

- Sophisticated, leading-edge container
- Optimal and totally safe handling
- PVC-free
- Ideally adapted to demanding advanced markets

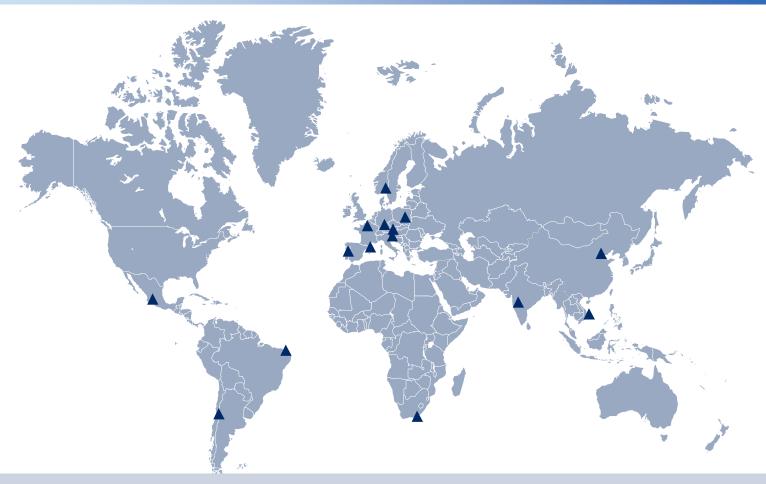






Strong and Sustainable Business Manufacturing Locations – Being Internationally Local





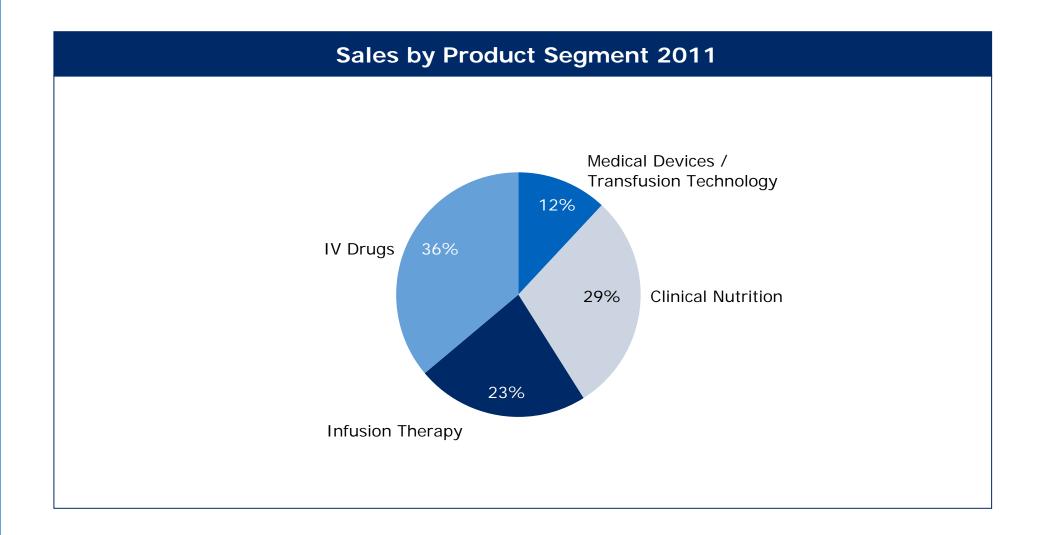
International network of manufacturing sites:

Optimal supply chain is key to be competitive in Infusion Therapy

Strong and Sustainable Business

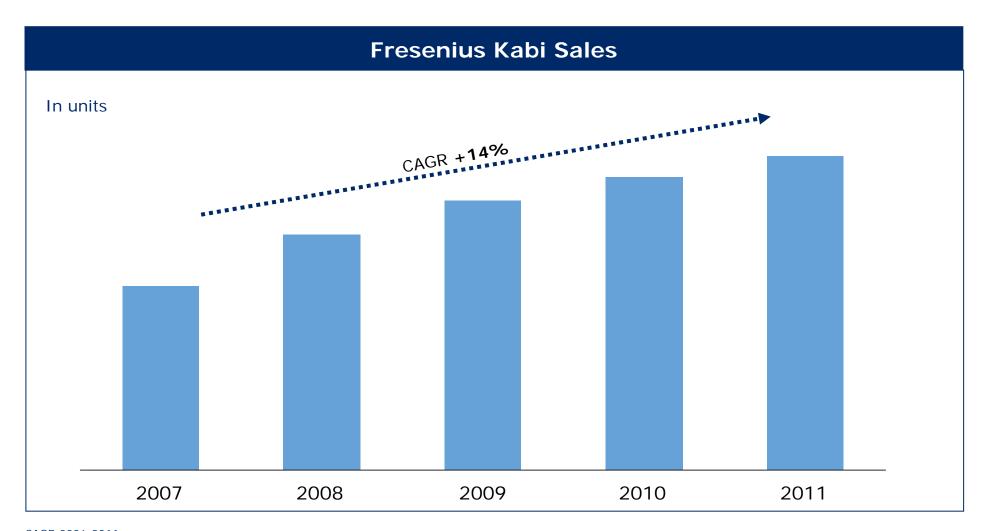


A Solid Contributor to Fresenius Kabi's Success



Strong and Sustainable Business Consistent and Sustainable Growth





Infusion Therapy Summary



Entry point into a hospital

■ For our customers: crucial and mandatory

■ For Fresenius Kabi: consistent and sustainable



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Product Segment IV Drugs

John Ducker

Member of the Management Board President Region North America

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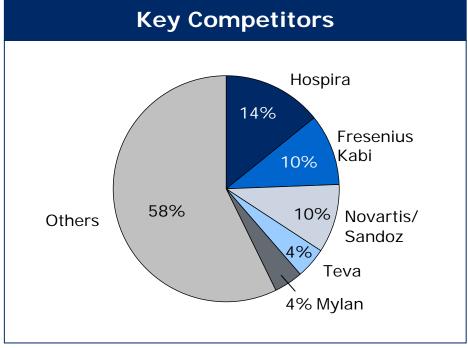
- 1 Market Characteristics
- 2 Fresenius Kabi Track Record
- 3 Growth Opportunities
- 4 Development Pipeline
- 5 Key Success Factors
- 6 Outlook and Summary

Market Characteristics Global Injectable Generics Market



- Addressable market valued at €9.8 bn
- Huge opportunity for growth





Source: IMS MAT Dec 2011, IV Generics, excluding Enoxaparin, excluding Japan

Market Characteristics **IMS Categorization Limitations**



IMS Categorization



- Off-patent products
- Innovator sales of off-patent products excluded

Example from IMS:

Docetaxel

€552 m

Normally only this gets captured as generics market

IMS Non-Generics

- Products still under patent
- Innovator sales of off-patent products included

IMS Non-Categorized

- Branded generics in emerging markets often included
- Detailed information lacking

€626 m

Though in reality this is still being sold by Sanofi the product is marketed as generic at generic price level

The size of the market depends on what you include!

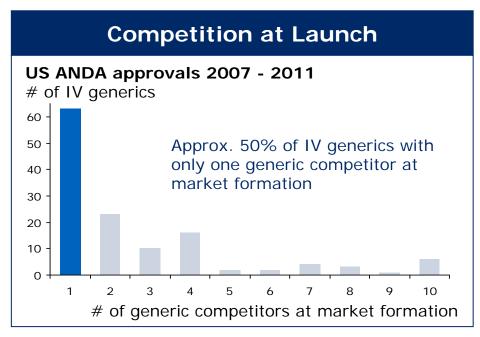
Source: IMS MAT Dec 2011

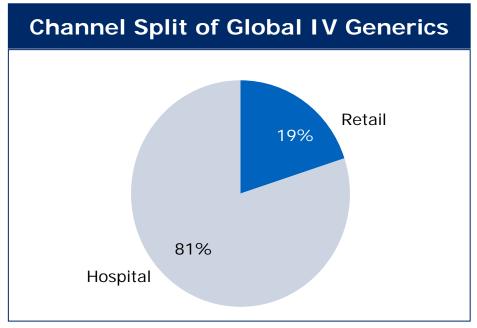
€66 m

Market Characteristics IV Generics – A Segment with High Growth



- Growth rate 50% higher than oral dose generics
- High barriers to entry
 - Fewer competitors than oral generics
- Aligned to our business model

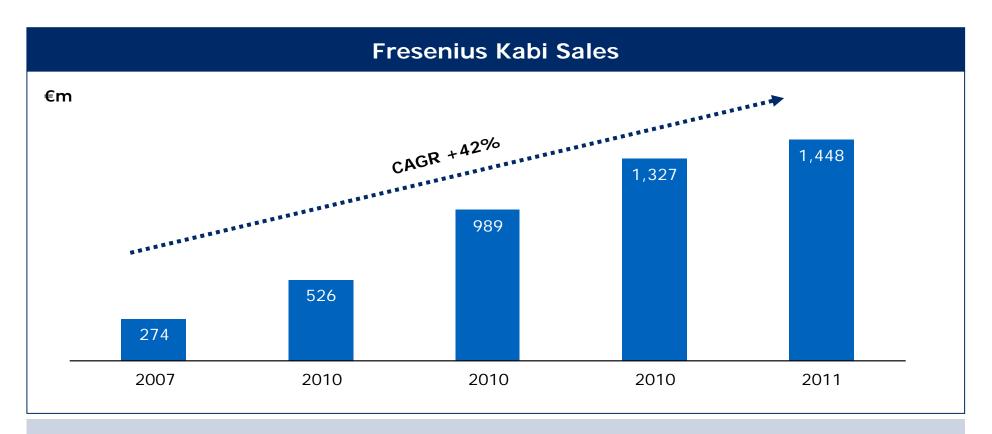




Source: Scrip, Datamonitor, IMS MAT Dec 2011, IV Generics

Fresenius Kabi Track Record Excellent Growth

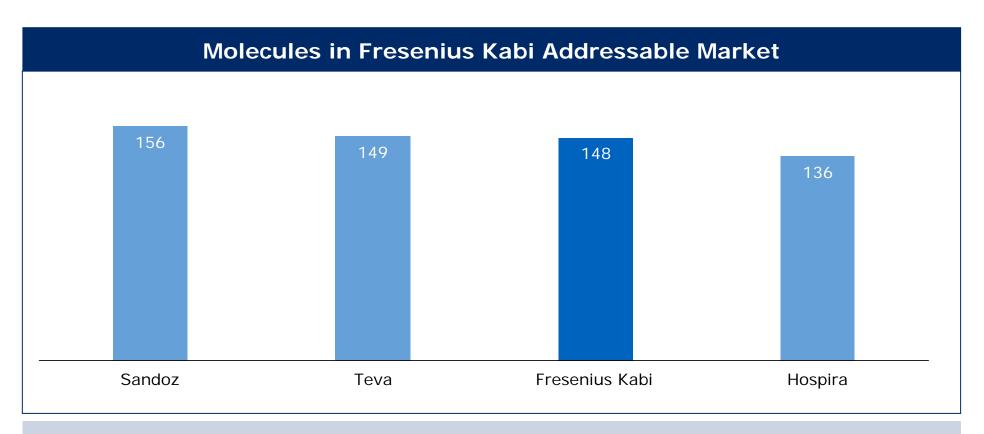




- €1.45 bn business built in only six years
- Combination of successful acquisitions and global rollout of portfolio

Fresenius Kabi Track Record A Top-Tier Portfolio







Source: IMS MAT Dec 2011, IV Generics

Growth Opportunity Patent Expiries Feed Our Pipeline



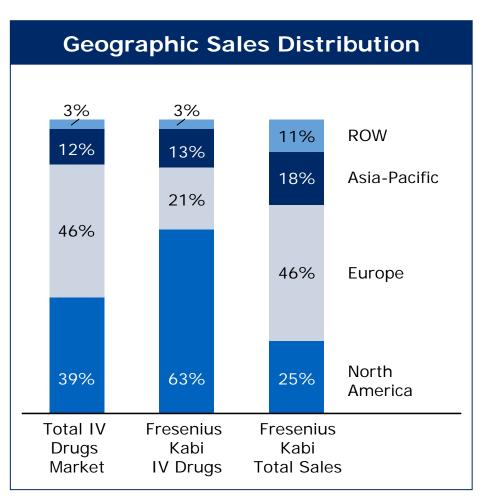
- Patent expiries of injectable drugs will continue to fuel generic market growth
 - €0.5 2.9 bn of originator sales expected to suffer generic competition in every year for the next decade (2011 branded EU and US markets)
 - In Fresenius Kabi's addressable therapy segments >10 molecules lose patent exclusivity each year until 2021 (Europe and US)
- In the US alone, 172 small molecule injectable products with over €15.5 bn* (US\$20 bn) in branded sales face patent expiration over the next decade**
- In IV Generics, the ,Patent Cliff' is more of a gentle slope extending ten years into the future

^{*}Exchange rate as of Dec 31, 2011: €/US\$ = 1.29

^{**}Source: IMS MAT Dec 2011, based on Orange Book last listed patent expiry year and internal IP intelligence

Growth Opportunity Geographic Expansion



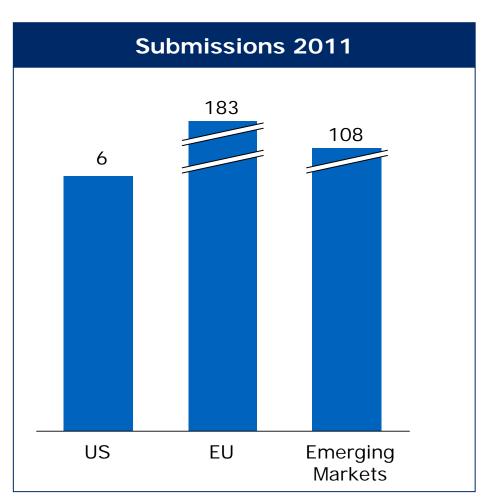


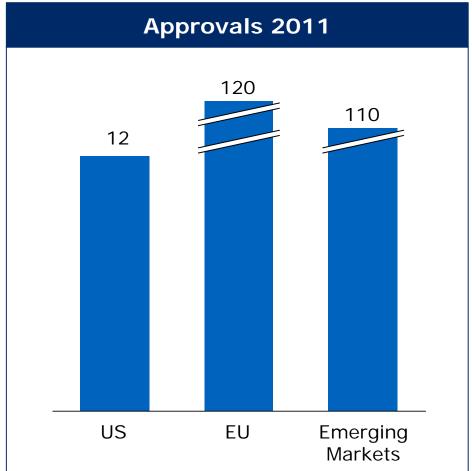
- Significant growth opportunity in EU and Asia-Pacific where Fresenius Kabi's market share is still relatively low
- Fresenius Kabi has demonstrated strength and success in these regions with Clinical Nutrition and Medical Devices, and is well positioned for successful rollout of IV Generics

Source: IMS MAT Dec 2011, IV Generics, excluding Enoxaparin, excluding Japan and China (except Propofol), Fresenius Kabi Internal Analysis (2011)

Development Pipeline Submissions & Approvals in 2011





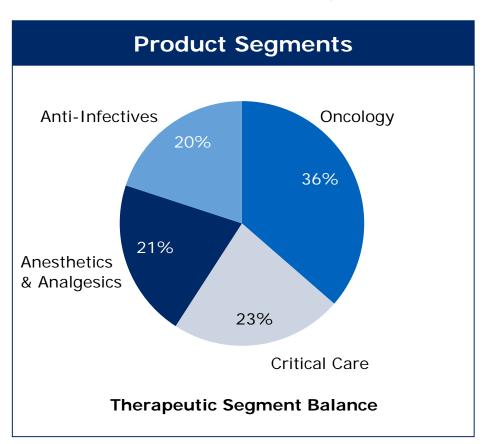


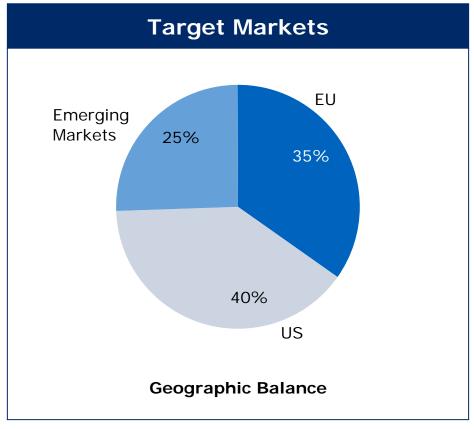
Source: Fresenius Kabi Internal Analysis 2012, molecules and markets

Development Pipeline Future Portfolio



Fresenius Kabi currently runs 110 development projects





Note: Total > 108 as several projects are developed for several areas

Key Success Factors Global Presence



Participate in global market consolidation from a strong base

■ Fresenius Kabi already sells IV Generics in 145 countries worldwide



| # of Countries Fresenius Kabi is present | |
|---|----|
| North America | 2 |
| Europe | 40 |
| Asia-Pacific | 41 |
| Latin America | 26 |
| Africa | 36 |

Key Success Factors Fast to Market



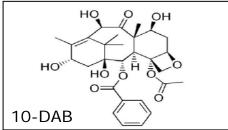
- Early market entry is vital to maximize market share and margins in injectable generics
- Fresenius Kabi has been steadily launching products at market formation in Europe, US and Asia-Pacific across all our therapeutic areas
 - Recent examples: Gemcitabine (US), Remifentanyl (Europe)
- We have filed 11 Paragraph IV certifications in the US since 2007
- Fresenius Kabi has employed innovative formulation and development techniques to allow product launch prior to patent expiry
 - Recent example: IV Paracetamol (Europe)

Key Success Factors Cost Leadership



- World class expertise for development and manufacture of API*, intermediates and final dosage forms
- All activities carried out in-house supported by stringent analytical and testing capabilities
- World class economies of scale

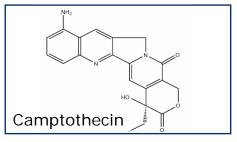
















^{*}API = Active Pharmaceutical Ingredient

Key Success Factors Quality Leadership – Dedication and Commitment



- Quality, Safety and Reliability are our core values
 and the fundamental basis for patient safety and company success
- Global quality processes and standards:
 - Global Quality Management System and SOPs*
- Best practice approach elaborated by qualified core teams and defined in Global Guiding Documents
- Regular training and quality meetings
- Electronic workflows and data base for critical processes:
 - Complaint management
 - Adverse events reporting
 - Corrective and preventive action management

^{*}SOP = Standard Operating Procedure

Key Success Factors Differentiation



Our development and marketing teams are working on several initiatives to provide 'Generic Plus' differentiation:



- Safety labelling
- Dose banding
- Pre-filled syringes
- Consumer friendly forms (e.g. Lyo to Ready To Use)
- Dual chambered bags
- Bundling: Oncology with nutrition services
- Advanced safety concepts: TIVA* and TCI**
- Aseptic compounding of final dose







^{*}TIVA = Total IV Anesthesia

^{**}TCI = Target Controlled Infusion

Key Success Factors Fresenius Kabi's Strengths Match Key Success Factors



Development

- Rich development pipeline across entire range (>100 projects)
- Pipeline spread evenly across differentiated and standard generics
- Local regulatory expertise supported by central teams
- Fast to Market
- Strength of Portfolio

Manufacturing

- Deep knowledge and experience of injectables manufacturing
- Vertical integration
- Multiple production sites for key products

- Cost Leadership
- Quality Leadership

Market

- Dedicated focus on injectables
- Present in all major markets
- Decentralized management allows local experts to take decisions
- Strong relationships with hospitals and purchasing organizations
- Global Presence
- Differentiation

Outlook Increasing Focus on EU and AP



- Strong growth in Europe and Asia-Pacific expected to continue
- Unwinding of drug shortage effect in US will normalize growth in North America
- Aggressive geographic expansion of US specific portfolio
- New key products being developed for global launch
- Demographic trends and related socio-economic factors
 will grow demand and accelerate conversion to generic medicines
- Carefully track biosimilar development

Summary



The injectable generics market is witnessing continued rapid growth

Driven by patent expiries, demographics, high entry barriers & technology

Fresenius Kabi is well positioned to profitably participate through increased market presence enabled by:

- A robust pipeline managed by an international development team for global product availability at market formation
- Strong control of cost and quality across the entire value chain
- Flexibility in global production network to participate in short term opportunities (e.g. US shortages)
- A leading product portfolio which creates high value to our key customers and is managed by decentralized sales & marketing teams

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Capital Market Day 2012

June 12, 2012

















Product Segment Medical Devices

Dr. Christian Hauer

Group Executive Vice President
Global Business Center Medical Devices

Capital Market Day Fresenius Kabi, June 12, 2012

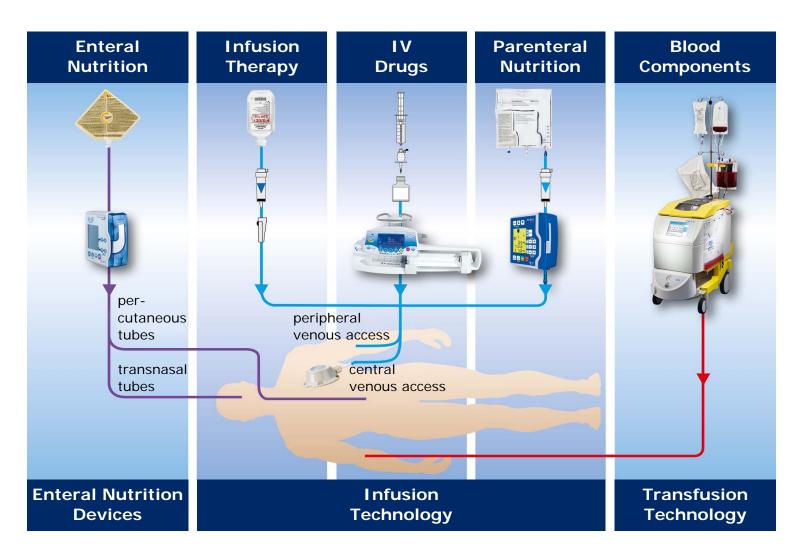
Agenda



- 1 Medical Devices
- 2 Product Overview
- 3 Sustainable Sales Growth
- 4 Growth Driver
- 4.1 Innovation
- 4.2 Geographic Expansion
- 5 Outlook

Medical Devices Life-saving Fluids – Safe and Efficient





Product Overview Medical Devices – Comprehensive Portfolio



Infusion Technology

- Syringe and large volume pumps
- IV sets, filters, ports and needles

Product portfolio for hospitals and homecare



Enteral Nutrition Devices

- Pumps
- Transnasal & percutaneous tubes

 Product portfolio for hospitals and homecare



Transfusion Technology

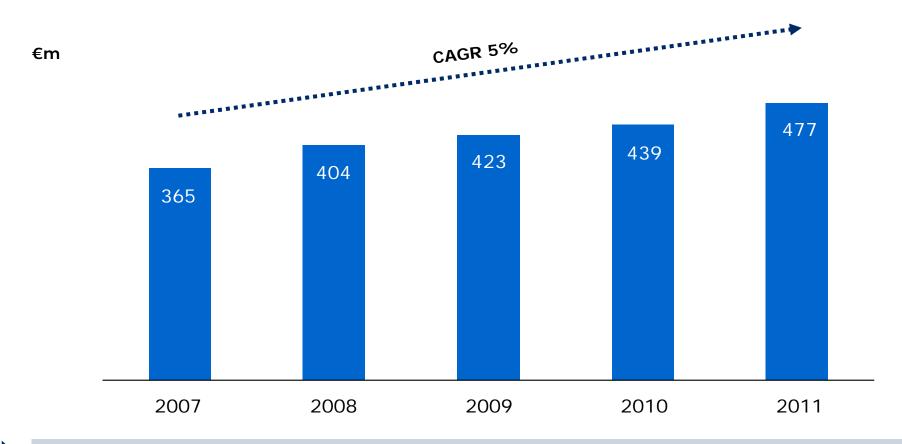
- Blood processing equipment and blood bags
- Apheresis devices
- Autotransfusion devices

 Product portfolio for blood services and hospitals



Sustainable Sales Growth Performance 2007 - 2011





Fresenius Kabi organic growth of 5% above market growth of 3 - 4%

CAGR 2006-2011

Growth Driver Discover the Full Opportunity



Discover the full opportunity of our current product portfolio

Get market leadership in each product segment through

- Innovation
- Geographic expansion
- Acquisition and partnering

From €500 million to €1.5 billion sales within the next 5 years

Growth Driver Innovation Process Efficiency – CompoFlow® and CompoMat G5



- ~92 million whole blood donations collected annually*
- Operators in blood centers opening manually up to 500 blood bags per day
- The CompoFlow® concept automates whole blood processing
 - Preventing repetitive strain injuries
 - Optimal product quality avoiding the destruction of red cells
 - Improved process time > 10%
- Full potential only with CompoFlow® bags









Manual Processing

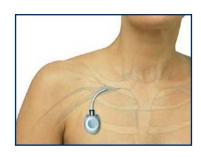
CompoFlow Concept

^{*}Source: http://www.who.int/worldblooddonorday/en/index.html

Growth Driver Innovation Patient Safety – Intrastick® Safe



- Implantable ports allow long-term drug administration
- Annually more than 120,000 ports are placed in Germany with an increasing trend
- Strong market need to prevent needle stick injuries causing life-threatening contaminations or infections







Calling for the introduction of safety devices

Growth Driver Innovation Clinical Outcome - TIVA / TCI*



- Annually >230 million patients undergo anesthesia
- Historically inhalational anaesthesia is the standard
- In 2003 Fresenius Kabi launched TIVA*, for precise drug concentrations
 - Reduction of drug side effects (nausea, vomiting)
 - Shorter operating time (faster initiation and recovery)
- In 2008 Fresenius Kabi launched TCI*
 - Infusion pump automatically computes flow rate via pharmaco-kinetic model
- Large sales opportunity outside Europe
- Large market opportunity for sedation in ICUs* and minimal surgical interventions

^{*}TIVA / TCI: Total Intravenous Anesthesia / Target Controlled Infusion

^{**}ICU: Intensive Care Unit

Growth Driver Geographic Expansion Strong Growth Opportunities Outside Europe



| Country | Total Market* (€m) | Fresenius Kabi Market Position |
|---------------|-----------------------|------------------------------------|
| North America | 2,112 | Not present for main product lines |
| Europe | 1,145 | Market Leader |
| Asia-Pacific | 695 | Market Challenger |
| Latin America | 260 | Market Leader |

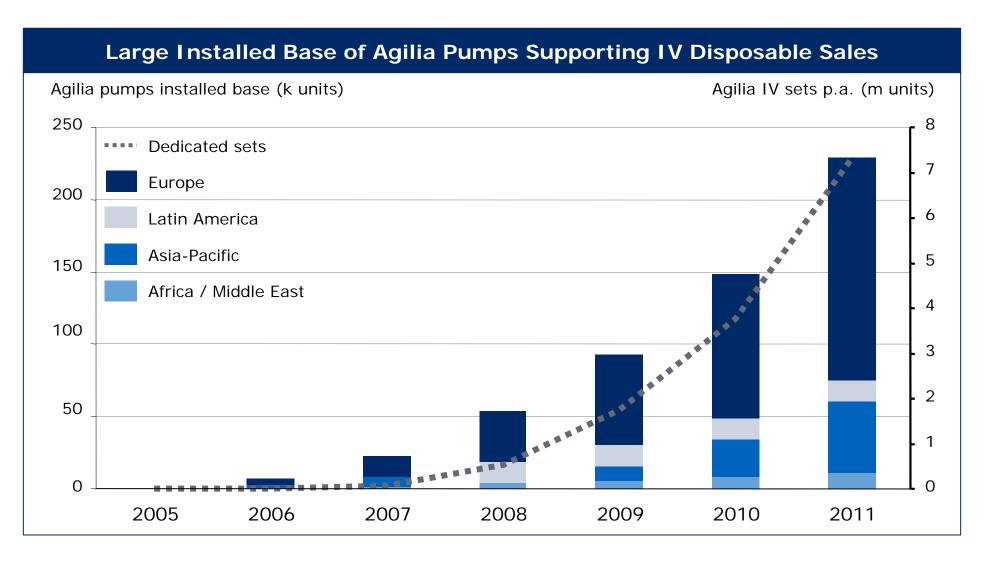
Fresenius Kabi Market Position:

Market Leader (Rank 1 - 3) Market Challenger (Rank 4+) Not present for main product lines

^{*}Source: Fresenius Kabi Internal Analysis (2011), w/o Africa

Growth Driver Geographic Expansion Successful Agilia Pump Rollout





Medical Devices to Prepare and Administer Life-saving Fluids – Safe and Efficient





Our target: From €500 million to €1.5 billion sales within the next 5 years through innovation, geographic expansion, acquisition and partnering

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Capital Market Day 2012

June 12, 2012

















Product Segment Innovation & Operations

Dr. Michael Schönhofen

Member of the Management Board President Science, Production & Technology

Capital Market Day Fresenius Kabi, June 12, 2012

Fresenius Kabi Global Innovation and Operations Network









- 1 Global Operations Network
- 2 Quality, Reliability and Safety
- 3 Innovation in Products, Processes and Systems

Global Operations Network Global Footprint for Leadership and Competitive Advantage



- Unique global operations network with 42 plants all over the world allows to leverage synergies across product groups, to exploit network benefits and to optimally support the global rollout of our products
- Specialized manufacturing expertise and different plant mandates (Local, Regional, Global) to fully exploit sources of competitive advantages – locally and globally
- 'Think Global Act Local': Excellence in each plant and alignment & optimization of the overall global network
- Successful integration of acquisition targets and prepared for further growth scenarios (global and regional business opportunities)

Global Operations Network

Strong Global Manufacturing Footprint



Network Characteristics

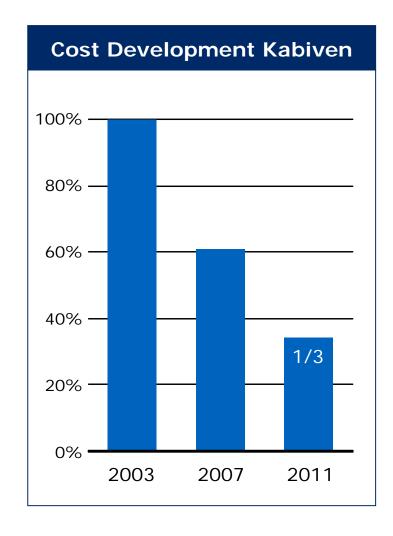


Global Operations Network Achieving Cost Leadership



Entrepreneurship and our global network is the base for achieving and maintaining cost leadership

- Continuous improvements in Overall Equipment Effectiveness (OEE)
- Rollout of global technology standards
- Best practice sharing and mutual learning within the network
- Economies of scale in operations
- Global footprint optimization



Global Operations Network Competitive Advantage Along the Entire Value Chain



Vertical integration of products, technologies and processes as **core competence** and **strategic direction** to build and maintain competitive advantages in cost, quality, reliability and manufacturing competences

| The long way to excellence | | | |
|----------------------------|---|----------------------------------|--|
| from | | to | |
| Granules | | Safe IV Application | |
| Leaves | • | Safe Application of Chemotherapy | |
| Corn | • | Volume Replacement Therapy | |
| Hen Egg | • | Clinical Nutrition | |



Quality, Reliability and Safety Our Principle: Think Global – Act Local



Framework based on **Global Quality Leadership** and **Local Quality Ownership**



Quality, Reliability and Safety Our Principle: Think Global – Act Local





Global Processes & Standards



Worldwide application of defined processes and standards and documented best practice approaches



Early Warning System



Systematic and continuous monitoring to identify the need for Corrective and Preventive Actions (CAPAs) at the earliest possible stage



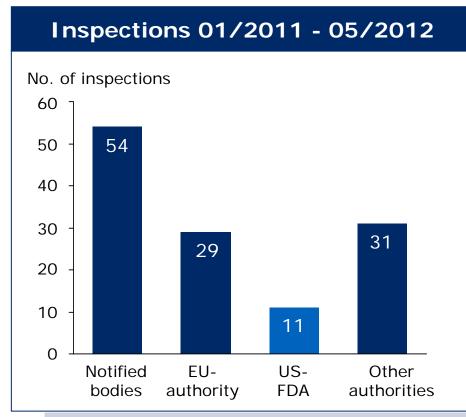
Crisis Management System

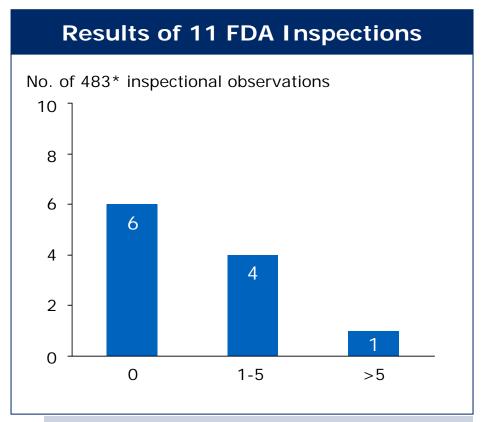


Ensure fast and appropriate reaction on any potential issue

Quality, Reliability and Safety Global Quality Leadership – Local Quality Ownership









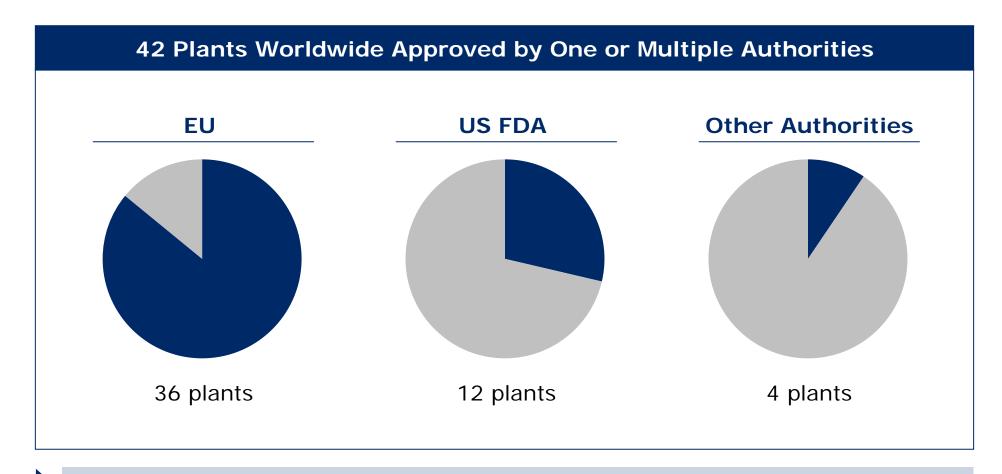


The vast majority of FDA inspections resulted in zero or less than five 483* observations

^{*483} inspectional observations: Documented and communicated observation discovered during US FDA factory inspection

Quality, Reliability and Safety Global Quality Leadership – Local Quality Ownership

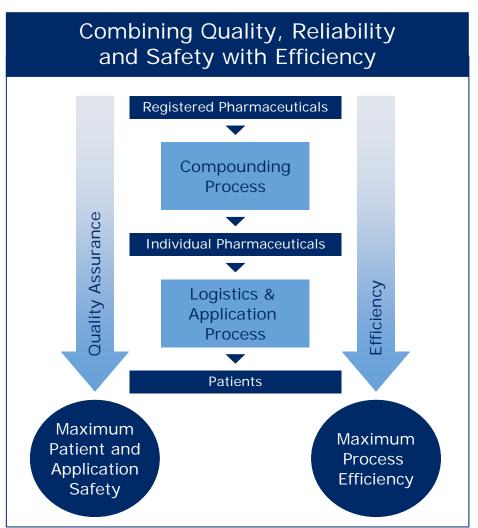




Almost all our plants are approved by US FDA and/or the EU

Quality, Reliability and Safety Example: Oncology Compounding







Innovation at Fresenius Kabi Continuous Innovation for Sustainable Growth



- Global Innovation Network with Innovation & Development (I&D) Centers in all major regions offers direct access to best know-how and attract highly qualified talents
- Securing technological leadership and continuous innovation for competitive advantages through differentiation and cost leadership



Innovation at Fresenius Kabi Global Innovation Network: 14 I&D Centers





Location:

Skokie, IL (United States)

Competence Field:

IV Drugs & Infusion Therapy

Geographical Focus:

U.S.



Location:

Brezins (France)

Competence Field:

Medical Devices

Geographical Focus:

Global



Uppsala (Sweden)

Competence Field:

Clinical Nutrition

Geographical Focus:

Global



Location:

Gurgaon (India)

Competence Field:

IV Drugs & Infusion Therapy

Geographical Focus:

Global



Graz (Austria)

Competence Field:

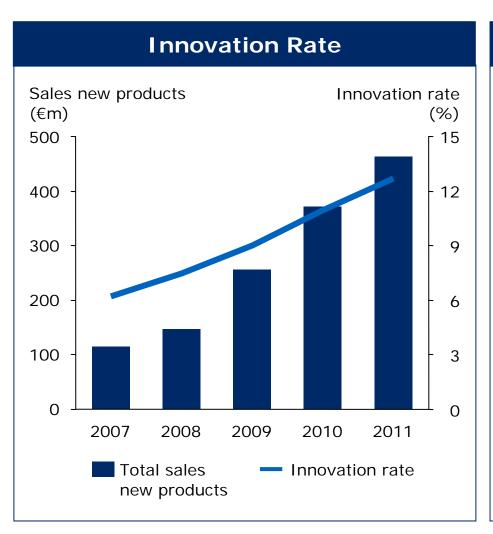
IV Drugs & Infusion Therapy

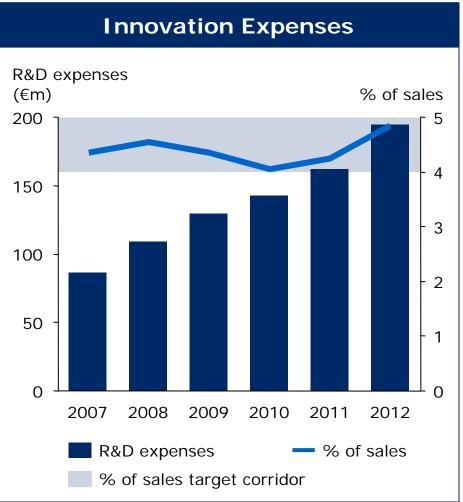
Geographical Focus:

Global

Innovation at Fresenius Kabi Innovation Rate and Expenses

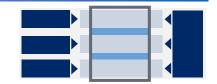






Innovation at Fresenius Kabi Leadership in Technology





Infusion Solutions: There is still some music to play ...

Next Generation Container Technology delivering superior customer value and significant competitive advantages in manufacturing



- Transparency of bottle
- Ergonomic design
- Collapsibility
- Sterilization at 121°C
- Waste avoidance in production
- Higher output
- Competitive cost advantage

Innovation at Fresenius Kabi Leadership in Technology





- Emulsion technologies
- Suspension technologies
- Liposomes
- Highly active compounds
- Lyophilization
- Aseptic production
- Further high-end technologies



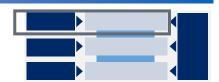






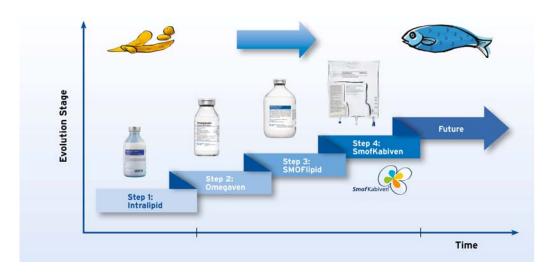
Innovation at Fresenius Kabi Competence Field Clinical Nutrition





Selected Examples

Life-cycle management parenteral nutrition





- Enteral nutrition moving from supportive to therapeutic nutrition addressing special medical needs (e.g. tube and sip feed for cancer patients, anti-diarrhea tube feed)
- Outlook: All-in-One parenteral nutrition supplements

Innovation at Fresenius Kabi Competence Field IV Drugs & Infusion Therapy





Selected Examples

- >390 new marketing authorizations in 2011 worldwide
- Supporting cost leadership, e.g. API* development



- Advanced packaging solutions to improve patient safety and enhance handling for differentiation, e.g. Propofol prefilled syringes
- Outlook: More than 50 IV Drug molecules launches in 2012 and 2013 expected



^{*}Active Pharmaceutical Ingredient

Innovation at Fresenius Kabi Competence Field Medical Devices

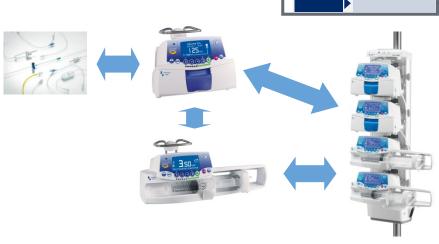


Selected Examples

- Systems consist of various elements that have to play virtuously together
 - NLink+ as next generation of IV pump communicating backbone



- ENLock as safety connector for enteral nutrition disposables
- Needlefree concept for improved safety, handling and convenience



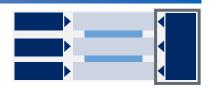




 Outlook: Next generation enteral pump and next generation Intensive Care Unit (ICU) and general ward pump system

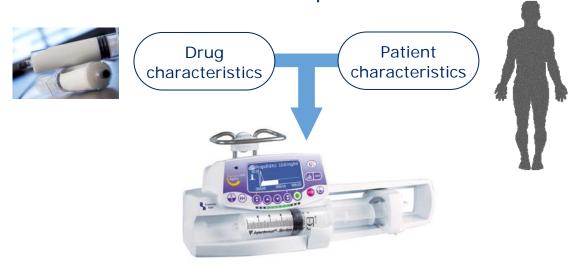
Innovation at Fresenius Kabi Competence Field Integrated Systems





Target Controlled Infusion (TCI)

■ Total intravenous anesthesia with enhanced safety for the patients and ease of use for the hospital



Extension of basic principle to other applications in areas like

- Glucose monitoring
- Clinical nutrition
- Antibiotics

Innovation and Operations Summary



1 Global Operations Network

- Strong Global Footprint
- Commitment to Cost Leadership
- Vertical Integration to Ensure Competitive Advantages

2 Quality, Reliability and Safety

■ Focused on Global Quality Leadership and Local Quality Ownership

3 Innovation in Products, Processes and Systems

- Effective Collaboration Across Functions and Around the World
- Exploring New Horizons for Sustainable Innovation and Growth
- Highly Attractive Innovation Pipeline The Journey Will Continue ...

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Capital Market Day 2012

June 12, 2012

















Emerging Markets – Exploit Growth Opportunities Overview

Mats Henriksson

Deputy Chairman of the Management Board

Capital Market Day Fresenius Kabi, June 12, 2012

Agenda



- 1 Overview
- 2 Focus Asia-Pacific
- 3 Focus China
- 4 Focus India
- 5 Focus Latin America

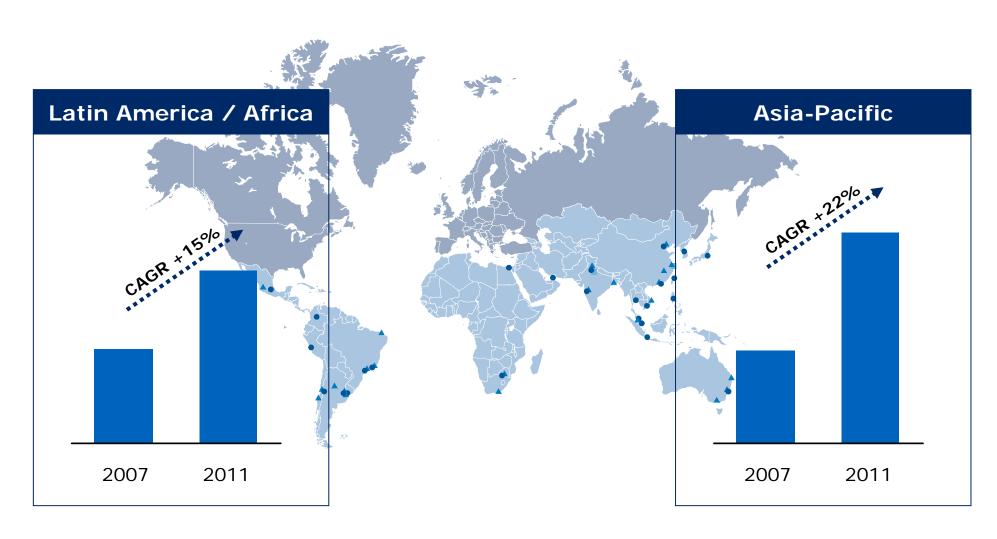
Agenda



- 1 Overview
- 2 Focus Asia-Pacific
- 3 Focus China
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Fresenius Kabi Strong Sales Growth in Asia-Pacific, Latin America & Africa





CAGR 2006-2011

At a Glance





26 Marketing & Sales organizations, 2 R&D centers, 23 Production plants – well positioned in key markets with strong local presence



Emerging Markets Characteristics

| | Market Characteristics | Fresenius Kabi's Approach |
|---------------------------------------|---|--|
| Reimburse- ment | Selective public and private insurance coverageSelf payers | Portfolio for critically ill patients well positioned in markets where funds are limited |
| Competitive landscape | Local and multinational companies | ■ Think Global – Act Local |
| Pricing | Health care reforms aiming to reduce prices | Robust pipeline supports systematic product life cycle approachCost leadership |
| Regulatory & safety/quality standards | Increased complexity | Global quality standards and documentationLocal expertise |
| Sales model | ■ Tender with promotion | Dedicated sales force per product lineBranded genericsEducation |

Market Size





Fresenius Kabi Addressable Market Asia-Pacific, Latin America/Africa : €7.4 bn

| Clinical Nutrition | €1.8 bn |
|--------------------|---------|
| IV Drugs | €1.5 bn |
| Infusion Therapy | €3.1 bn |
| Medical Devices | €1.0 bn |



Market growth rate for Emerging Markets in the range of 8 - 10%

*Regions Asia-Pacific (excluding Japan), Latin America and Africa

Source: Fresenius Kabi Internal Analysis (2011)

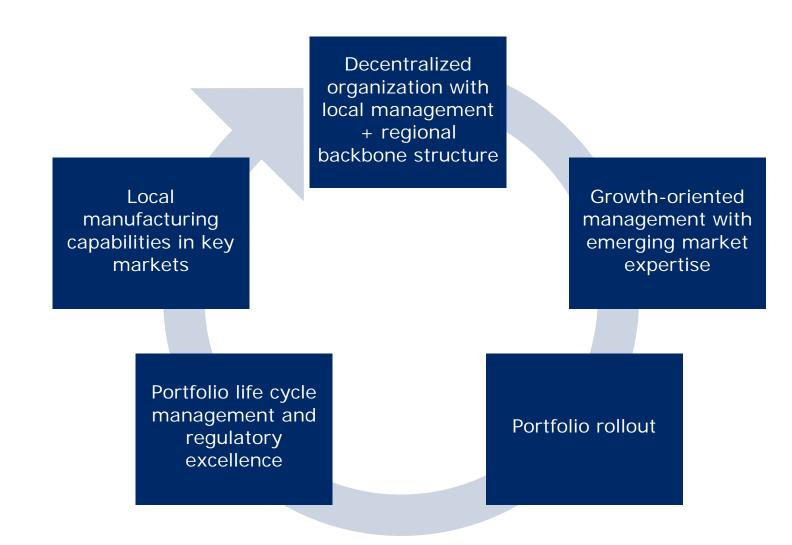


Emerging Markets Growth Opportunities

- Demographics, increased wealth and investment
 in health care infrastructure support strong underlying market growth
- Rollout of Fresenius Kabi's product portfolio and further market penetration hold significant growth opportunities
- Fragmented competitive landscape provides complementary acquisition opportunities
- Increased quality standards strengthen Fresenius Kabi's position to provide high quality, affordable products



How to Capture the Growth Opportunities?





Emerging Markets Focus Asia-Pacific

Thomas Mechtersheimer

Member of the Management Board President Region Asia-Pacific

Capital Market Day Fresenius Kabi, June 12, 2012

Agenda



- 1 Overview
- 2 Focus Asia-Pacific
- 2.1 Asia-Pacific At A Glance
- 2.2 Fresenius Kabi's Presence in Asia-Pacific
- 2.3 Competitive Landscape in Asia-Pacific
- 3 Focus China
- 4 Focus India
- 5 Focus Latin America

Region Asia-Pacific at a Glance Broadly Present in the Region



Early Market Entry

- China in 1982
- India in 1995

Leading market positions

- No. 1 in Clinical Nutrition
- No. 2 in Anesthetics
- No. 1 in Artificial Colloids

Customer Proximity

- 7,319 employees, thereof4,304 in production and R&D and3,015 in sales & marketing
- 15 local Marketing/Sales teams
- 8 production sites

Main Product Portfolio

- Clinical Nutrition, especially Parenteral Nutrition
- IV Drugs, mainly Anesthetics and Oncology
- Blood Volume Therapy
- Oncology Compounding

Key strengths: Local management experience and local manufacturing

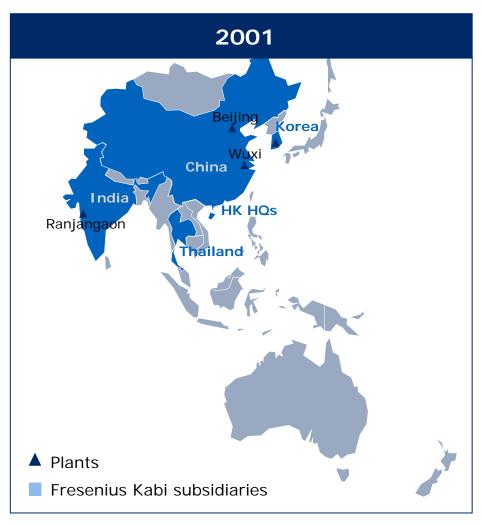
Fresenius Kabi's Presence in Asia-Pacific Management Team





Fresenius Kabi's Presence in Asia-Pacific The Development of Local Presence







Fresenius Kabi's Presence in Asia-Pacific Products Segments in Key Markets



| Clinical Nutrition | Medical Devices | Infusion Therapy | IV Drugs | |
|-----------------------|--------------------|---------------------|-------------|------------------------------|
| Indonesia | China | Australia | Australia | |
| Taiwan | Indonesia | China | China | |
| Australia | Korea | Hong Kong | India | |
| China | Taiwan | India | Indonesia | |
| India | Australia | Indonesia | Korea | |
| Korea | India | Korea | Philippines | |
| Philippines | New Zealand | Thailand | Taiwan | |
| Thailand | Thailand | Taiwan | Vietnam | Market Challenger |
| Vietnam | Vietnam | Vietnam | Thailand | Market Leader (position 1-3) |



Competitive Landscape in Asia-Pacific Diversified Region With Diversified Challenges



- Strong growth potential attracts local and multinational competitors
- >60 countries in AP mean fragmented markets & different cultures
 - Regulations, reimbursement, health personnel, health education all differ a lot
 - Economic fundamentals differ from country to country
- Increasing generic penetration and public price reforms / mandates
- Many countries skip the development of OECD type public health care structures to a mix of (private) open markets but with price controls

Competitive Landscape in Asia-Pacific Status Price Cuts



■ In Korea, Taiwan and Japan price cuts took place and remained at our budgeted / anticipated level for 2012

Status China

- Expecting news in July on cuts related to Oncology, digestive and blood system products. Level of cuts expected to correspond to budgeted assumptions
- News for nutrition products foreseen in Q3/Q4 2012 at the anticipated level
- 'Drug and Price Comparison and Relationship Regulation' published in early 2012, providing insight on calculation methods and scope of attention
- Confident to have all effects for 2012 included in guidance

Competitive Landscape in Asia-Pacific Current Leadership Drives Future Growth



We are currently leading due to

- A comprehensive structural footprint with long local experience in our teams
- Long local manufacturing experience and an Asia-Pacific wide coverage
- A strong presence with our key businesses in the key countries

And we will accelerate future growth by

- Using our tremendous market know how, networks and experience
- Leveraging on the resources and strength of our global group
- Focus on people and organizational development throughout Asia-Pacific
- Strong organic sales growth and selective acquisitions



Emerging Markets Focus China

Thomas Mechtersheimer

Member of the Management Board President Region Asia-Pacific

Capital Market Day Fresenius Kabi, June 12, 2012

Agenda



- 1 Overview
- 2 Focus Asia-Pacific
- 3 Focus China
- 3.1 China at a Glance
- 3.2 Fresenius Kabi's Presence in China
- 3.3 Growth Opportunities in China
 - 4 Focus India
- 5 Focus Latin America

China At A Glance Demonstrating Strong and Sustainable Growth

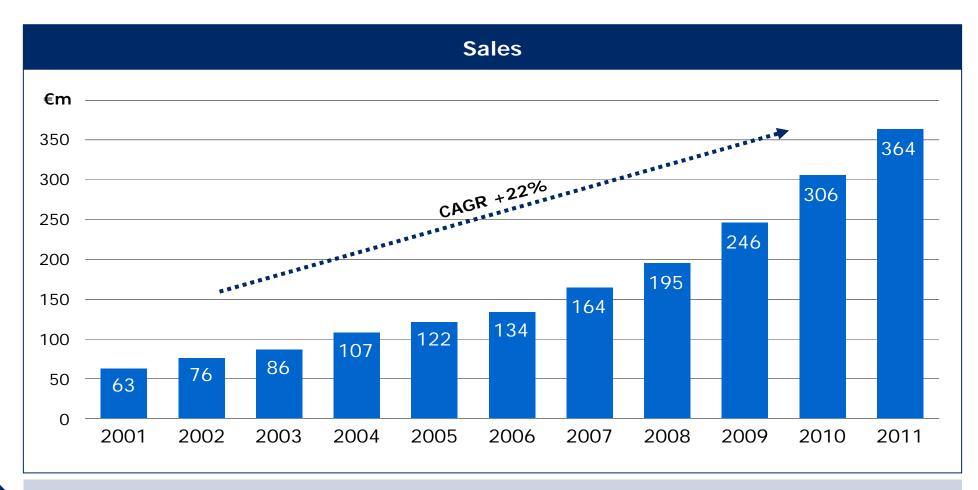


- Early market entry in 1982
- Long-term organic growth of team and organization
- Leadership in Clinical Nutrition and Anesthetics
- Good and established local relationship to suppliers, clinicians and government
- Important manufacturing location for global export
- International R&D Center for Clinical Nutrition
- GMP approved facilities with an area
 of more than 260,000 m² for production



Fresenius Kabi's Presence in China Strong Sales Growth Continues





Third largest market for Fresenius Kabi

CAGR 2006-2011

Fresenius Kabi's Presence in China China Operations – Overview of Sites





Beijing: Infusion Therapy, Clinical Nutrition



Beijing: Holding to support entities in China



Wuxi: Clinical Nutrition, R&D site (under construction)



Guangzhou: Medical Devices



Nanchang: Medical Devices

4,014 employees

Fresenius Kabi's Presence in China Competitive Environment



Growth potential

- Rapidly aging and middle class population
- Expanding medical insurance coverage now 95% of population covered
- Improving fundamental health care system increases affordability and accessibility

Markets change as well

- Increasing restrictions on drug consumption in hospitals
- The National Essential Drug Lists bring price cutting pressure Health structure reforms also lead to cost control measures
- Increasing regulation favors local manufacturers a chance for Fresenius Kabi
- Local generic companies are rapidly expanding at the same time the ongoing consolidation of local companies brings us opportunities

Growth Opportunities in China Geographic Business Expansion Opportunity

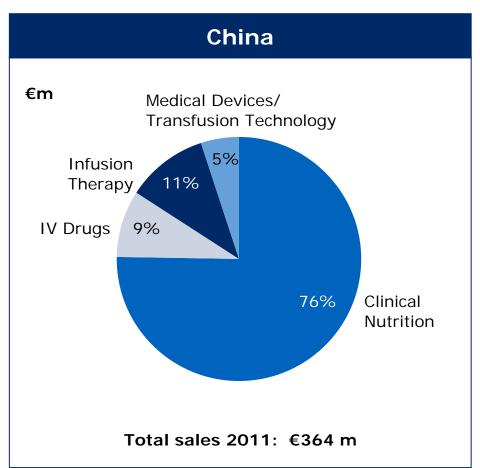


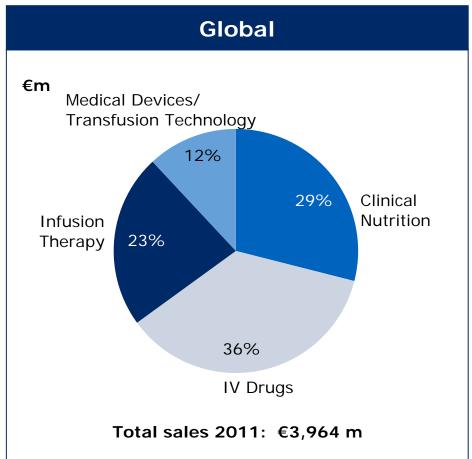


- 80% of Fresenius Kabi's sales in China are generated in 14 provinces
- Strong growth opportunity through geographic and business area expansion

Growth Opportunities in China Sales Split Demonstrates Growth Opportunities







Strong growth through product portfolio rollout and acquisitions

Growth Opportunities in China 95% of Population Now Covered by Medical Insurance



| Туре | Covered | Description |
|--|-------------------------|--|
| Urban Employee Basic Medical Insurance Scheme (UEBMI) | 219 m | Urban employee, Payer: employee & employer |
| Urban Resident Basic Medical Insurance Scheme (URBMI) | 181 m | Urban residents not covered by UEBMI university students, Payer: local government & individual |
| New Rural Co-operative Medical Insurance Scheme (NCMS) | 833 m | People in rural area, Payer: government & individual |
| Medical Assistance | N/A | Low income patients, Payer: local government |
| Private Medical Insurance | 5 - 7% urban population | Supplement basic medical insurance, Payer: individual |

Government's Plan for Health Care Infrastructure

- Strengthen grassroot hospitals, clinic infrastructure and network
- Establish and develop the procurement of essential drugs in grassroot hospitals
- Improve drug supply system & restructuring of pharmaceutical distribution sector
- Create consolidated purchasing groups

Growth Opportunities in China Future Key Success Factors for China



Continue strong organic growth

Continuous product rollout in fast growing IV generic and medical devices market

Tackle price pressure trends by systematic product life cycle management and new launches

Continue development of strong leadership and qualified talented people

Continuous localization of manufacturing and selected R&D activities

Continue strong rollout of compliance program



Emerging Markets Focus India

Dr. Satish Kulkarni

Executive Vice President Region South East Asia

Capital Market Day Fresenius Kabi, June 12, 2012

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- 1 Overview
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- 4.1 India at a Glance
- 4.2 Fresenius Kabi's Presence in India
- 4.3 Growth Opportunities in India
- 5 Focus Latin America

India at a Glance Executive Summary

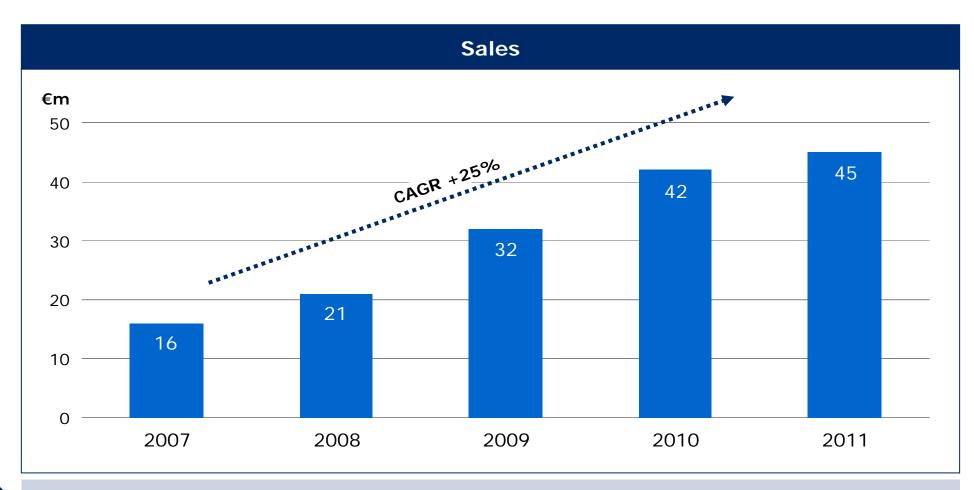


- Early market entry in 1995
- Important oncology generics hub: development, manufacturing and global export
- Innovative products manufactured in Europe are imported
- Local adaptation of selected products
- Local management with Fresenius Kabi value culture
- Geographical challenges answered by regional approach



Fresenius Kabi's Presence in India Sales 2007 - 2011



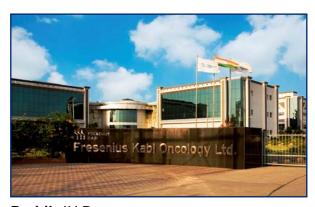


Key market for Fresenius Kabi in Asia-Pacific

CAGR 2006-2011

Fresenius Kabi's Presence in India Overview of Sites





Baddi: IV Drugs



Ranjangaon: Infusion Therapy, IV Drugs





Gurgaon: Corporate Office, R&D facility



Kalyani: IV Drugs, API*

1,878 employees

*API = Active Pharmaceutical Ingredient

Fresenius Kabi's Presence in India Production and R&D Facilities for International Markets



| IELA. | Baddi | Dedicated plant for manufacturing of formulation USFDA, MHRA and KFDA approved |
|--|------------------------------|--|
| | Gurgaon | State-of-the art R&D facility covering over 5,000 m² with more than 160 scientists Safe, healthy and conducive working environment for scientists Advanced equipment such as 400 mHz Nuclear Magnetic Resonance* |
| PHESTONIS AND THE CATTER HAT ITS CONTROL HAT C | Kalyani | API production Specialized in Taxol chemistry, Organo platinum chemistry and semi synthesis from plant origin molecules USFDA, TGS and EDQM approved Reg. Approvals in more than 30 countries |
| | Ranjangaon | IV fluids and IV drugs production Site approved for India GMP, EU GMP, WHO GMP |
| | North East and West India | ■ Plantation arrangements for raw material production |

^{*}NMR spectroscopy exploits the magnetic properties of atomic nuclei to determine physical and chemical properties of atoms or the molecules in which they are contained

Growth Opportunities in India Competitive Environment

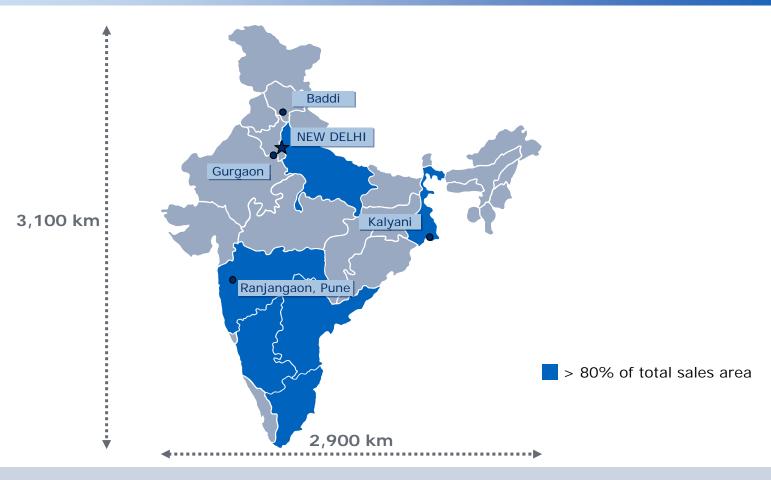


- Intense local competition especially for 'Me too' products and generics
- Fresenius Kabi as global quality player preferred in the fast growing top hospitals
- Increased focus of multinational companies on the emerging Indian market
- Opportunity for growth: Local manufacturing is still essential for most products due to import duty and transportation cost
- Cost effective distribution within India is a challenge our strategy responds to



Growth Opportunities in India Geographical Business Expansion Opportunity





- >80% of Fresenius Kabi's sales in India are generated in 6 states
- Regional production strategy for standard solutions

Growth Opportunities in India Indian Health Care System & Insurance



- Health care expenditure around €60 billion, growing at 12%
- 90% out of pocket payments, 6% of population covered by insurance
- Main providers of health insurance are public sector companies, government and army
- Increasing governmental price control: standard solutions and some IV drugs are regulated already, more drugs will be under price control in the future
- Private health insurance and private hospitals to dominate the treatment of critical and chronic diseases



Growth Opportunities in India Future Key Success Factors for India



Product life cycle management to drive growth amidst increased competition

Capture market share in high IV Generics growth and maintain leadership in Medical Devices market

Penetrate new geographic areas and customer segments

Local manufacturing and cost leadership

Further utilize local R&D and production infrastructure for global market

Secure quality excellence on all levels



Emerging Markets Focus Latin America

Marc Crouton

Member of the Management Board

President Region West & South Europe, Latin America and Africa

Capital Market Day Fresenius Kabi, June 12, 2012

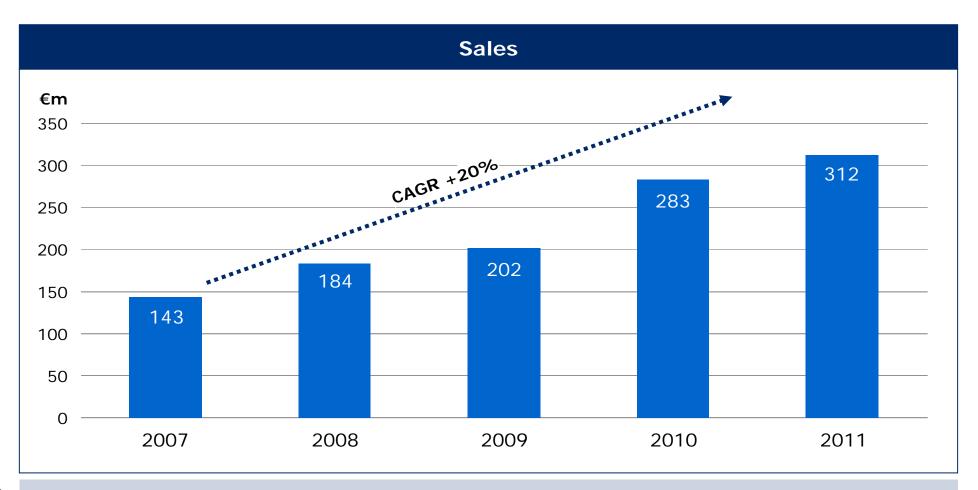
Agenda



- 1 Overview
- 2 Focus Asia-Pacific
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- 4 Focus India
- 5 Focus Latin America
- 5.1 Fresenius Kabi's Presence in Latin America
- 5.2 Growth Opportunities in Latin America

Fresenius Kabi's Presence in Latin America Sales 2007 - 2011





Strong organic sales growth and successful integration of acquired companies

CAGR 2006-2011

Fresenius Kabi's Presence in Latin America Fresenius Kabi Operations





Guadalajara (Mexico): Infusion Therapy, Clinical Nutrition, IV Drugs



Santiago (Chile): Infusion Therapy, IV Drugs



- Sales and Marketing organizations
- ▲ Production sites
- Compounding centers

O liferia

Aquiraz, Fortaleza (Brazil):

Infusion Therapy, IV Drugs

Buenos Aires (Argentina): Infusion Therapy, IV Drugs

3,040 employees

Fresenius Kabi's Presence in Latin America Market Position Latin America



| Clinical Nutrition | Infusion Therapy | Medical Devices | IV Drugs | |
|-----------------------|---------------------|--------------------|-----------|-------------------|
| Peru | Peru | Peru | Peru | |
| Argentina | Argentina | Argentina | Brazil | |
| Colombia | Colombia | Colombia | Colombia | |
| Mexico | Mexico | Mexico | Mexico | Market Challenger |
| Brazil | Brazil | Brazil | Argentina | Market Leader |
| Chile | Chile | Chile | Chile | (1-3 position) |



Growth Opportunities in Latin America Health Care Environment



- Argentina and Colombia offer the most comprehensive public sector health care systems covering up to 90% of the population
- Elsewhere the range of treatments covered is limited and the quality of care not optimal yet, but continuously improving
- Regulatory requirements vary in terms of specifications and timelines:
 Trend to align to international standards
- IP protection is weak in some countries (i.e. Argentina): Ideal playground for IV Generics



Growth Opportunities in Latin America Competitive Environment



Pharmaceutical markets

- Sustained growth linked to overall economical situation
- Volume sales driven by local (generics) manufacturers
- Value sales dominated by innovative products from EU and US
- Local companies expand to other Latin American countries
- Hospital sector: Segmented in public and private sector



Growth Opportunities in Latin America Geographical Expansion



Geographical presence



- Strong growth opportunities through geographical business expansion
- Priority countries are Uruguay, Ecuador and Costa Rica



Clinical Nutrition:

- Grow and consolidate Parenteral Nutrition through the expansion of Compounding
- Expand and rollout product portfolio with a focus on Enteral Nutrition

Infusion Therapy:

- Increase value of our market share focusing on profitable segments
- Continue our two-container strategy based on market dynamics





IV Drugs:

- Increase our presence in IV Drugs, especially Oncology, with the continuous launch of new molecules
- Expand the success of Oncology Compounding (optimizing synergies with Parenteral Nutrition)

Medical Devices:

- Invest aggressively in bundling of equipment and disposables
- Optimize Fresenius Kabi presence and rollout of Transfusion Technology





Mexico:

- Local production
- Leader in growing Infusion Therapy and Parenteral Nutrition markets

Brazil:

- Local production
- Local expansion of Compounding competence
- Leader in growing Parenteral Nutrition, Infusion Therapy and Medical Devices markets
- Expansion of IV Drugs, especially Oncology



Argentina:

- Local production
- Leader in growing Clinical Nutrition market and unique Compounding competences
- Regular launch of Fresenius Kabi portfolio based on strategic priorities

Chile:

- Local production
- First generics company in the country
- Leader on all core product segments of Fresenius Kabi
- Leader in both Parenteral Nutrition and Oncology Compounding
- Successful and fast growing market, bridgehead for expansion to other LAM countries (Peru, Bolivia, Ecuador, Venezuela)

And in general, THINK GLOBAL, ACT LOCAL

F FRESENIUS

Safe Harbor Statement

This presentation contains forward-looking statements that are subject to various risks and uncertainties. Future results could differ materially from those described in these forward-looking statements due to certain factors, e.g. changes in business, economic and competitive conditions, regulatory reforms, results of clinical trials, foreign exchange rate fluctuations, uncertainties in litigation or investigative proceedings, and the availability of financing. Fresenius does not undertake any responsibility to update the forward-looking statements contained in this presentation.



Capital Market Day 2012

June 12, 2012

















Established Markets – Deliver Sustainable Growth Overview

Gerrit Steen

Member of the Management Board Chief Financial Officer

Capital Market Day Fresenius Kabi, June 12, 2012

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- 1 Established Markets Overview
- 2 Focus Germany
- 3 Focus USA

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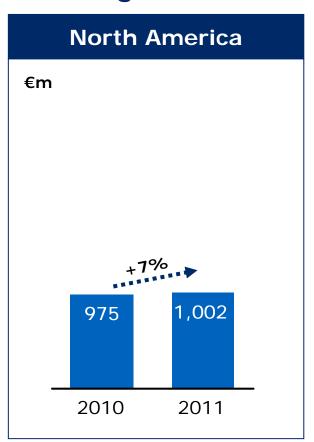


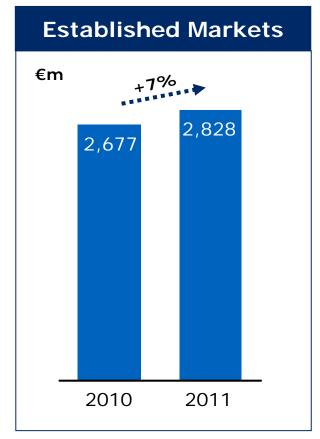
- 1 Established Markets Overview
- 2 Focus Germany
- 3 Focus USA

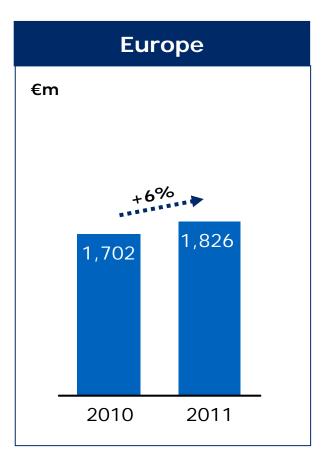
Fresenius Kabi Strong Organic Sales Growth in Established Markets



71% of global Fresenius Kabi sales



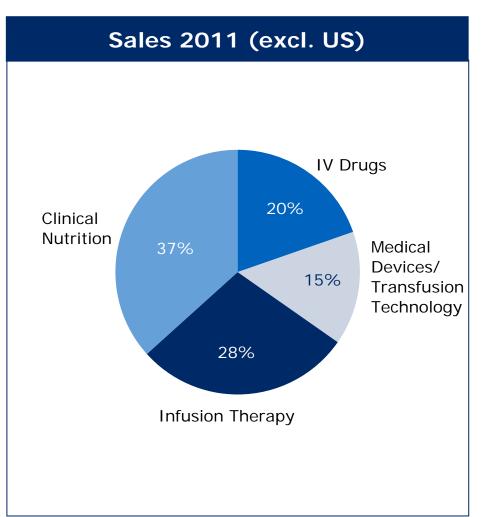




Fresenius Kabi

FRESENIUS KABI

Balanced Product Portfolio – With Upside in Most Markets



- Comprehensive product offering in many established markets
- Upside through further product rollout, especially in Medical Devices and Enteral Nutrition
- US so far focused on IV Drugs, significant opportunities in the coming years: Clinical Nutrition, Medical Devices and Infusion Therapy

Fresenius Kabi Established Markets at a Glance





33 Marketing & Sales organizations, 12 R&D centers, 38 Production plants – well positioned in key markets with strong local presence

Fresenius Kabi Market Size and Growth Established Markets







^{*}Source: Fresenius Kabi Internal Analysis (2011)

Fresenius Kabi Established Markets Characteristics



| | Market Characteristics | Fresenius Kabi's Approach |
|----------------------------|--|--|
| Health care Environment | Continuous reforms to cope with increased spending Further privatizations Increased overall scrutiny of industry | Activities focus on offering full product range defending strong market presence Generics penetration to increase in order to achieve cost savings Adherence to absolute compliance leads to competitive advantage |

Fresenius Kabi Established Markets Characteristics



| | Market Characteristics | Fresenius Kabi's Approach |
|---------------------------------------|--|--|
| Regulatory & safety/quality standards | Increased demand from regulators and customers Safety first Quality issues in production lead to shortages | Standardized registration processes to meet patent expiries and market formation Focus on highest global quality standards Quality/regulatory requirements and market demand limit new competitors |

Fresenius Kabi Established Markets Characteristics



| | Market Characteristics | Fresenius Kabi's Approach |
|-------------------------|--|---|
| Competitive Positioning | Mostly global players, significant consolidation under way Competitors from emerging markets insignificant till now Customer consolidation esp. in the US (GPOs) In Europe diverse landscape with tender markets (e.g. UK) and some local purchasing (e.g. GER) Overall increasing stake of tendering/central purchasing | Reliable supply, full product offering, superior quality and integrated systems at competitive prices provide further growth Marketing either focused on scientific message (e.g. Parenteral Nutrition or Colloids) or on supply chain and cost (e.g. Standard Solutions and IV Drugs) Comprehensive product portfolio key asset in tenders |

Fresenius Kabi Established Markets Growth Opportunities



- Mature markets offer attractive growth due to demographics
- Significant scale in most markets makes Fresenius Kabi a key partner for its customers
- Supply reliability and market demand with respect to quality/safety expectations support Fresenius Kabi to grow faster than market
- Activities focusing on offering full product portfolio and integrated systems
- Continued rollout of product portfolio leads to growth opportunities
- Further upside in forward-integration Compounding, HomeCare



Established Markets Focus Germany

Manfred M. Köhler

Member of the Management Board

President Region Central/Eastern Europe, Nordics & Middle East

Capital Market Day Fresenius Kabi, June 12, 2012

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- 1 Overview Established Markets
- 2 Focus Germany
- 2.1 Macroeconomics
- 2.2 Business Model, Channels and Stakeholders
- 2.3 Portfolio Split
- 2.4 Market Position
- 2.5 Proven Track Record
- 2.6 Market Growth Drivers
- 2.7 Outlook
 - 3 Focus USA

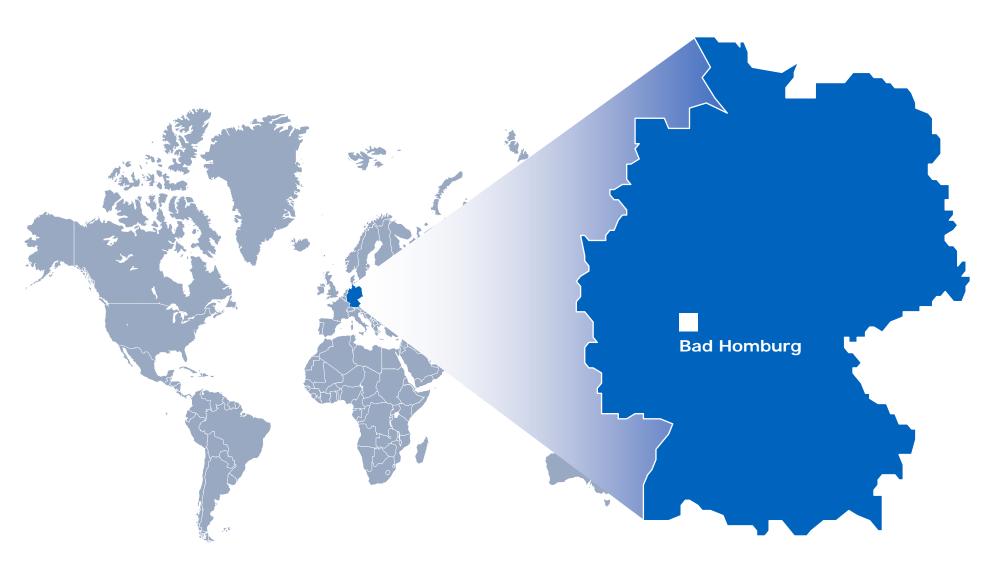
Macroeconomics Germany – Fresenius Kabi #1 Market in Europe





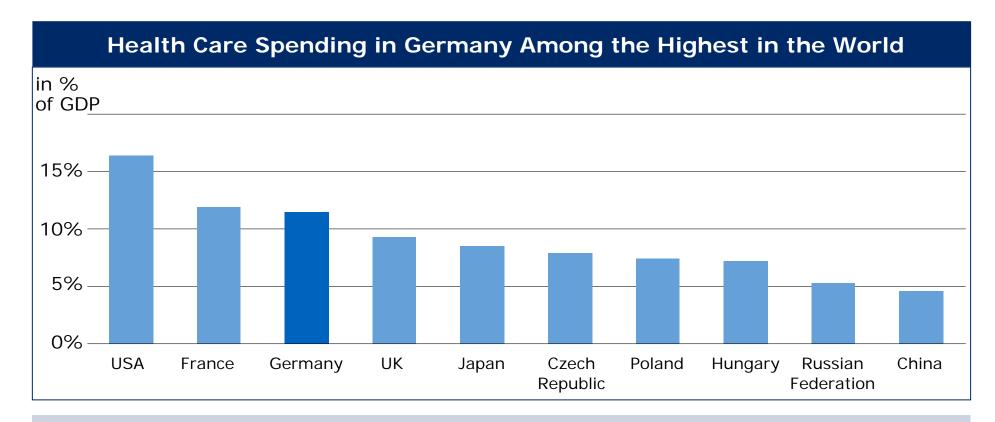
Macroeconomics Germany – Fresenius Kabi #1 Market in Europe





Macroeconomics Health Care Spending





Germany represents the biggest pharma market in Europe (€278.3 bn*) 11.5% of German GDP is spent on health care

^{*}Source: http://www.statistik.at/web_de/statistiken/gesundheit/gesundheitsausgaben/index.html and internal data (Medical Fact Book 2011)

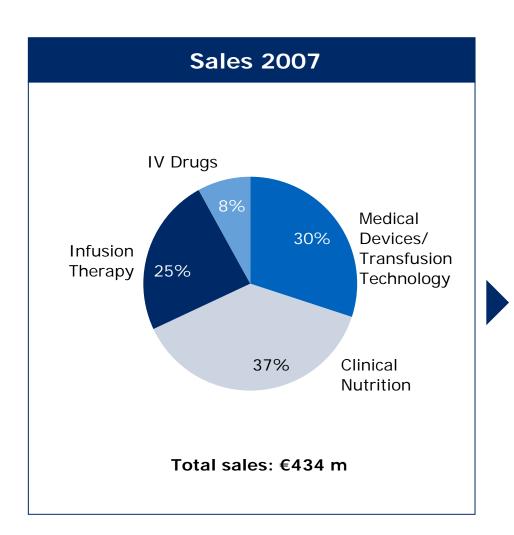
Business Model, Channels and Stakeholders Well Equipped, Well Positioned and Well Connected

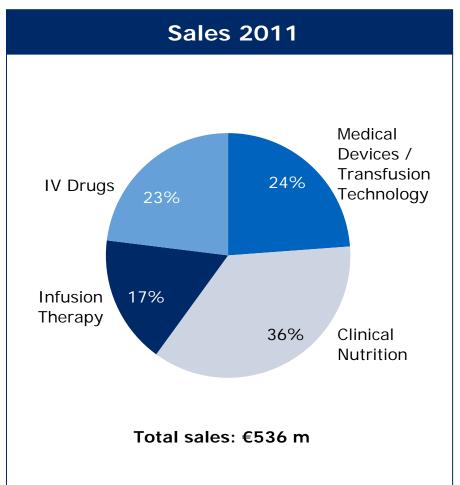




Portfolio Split Improved Product Mix







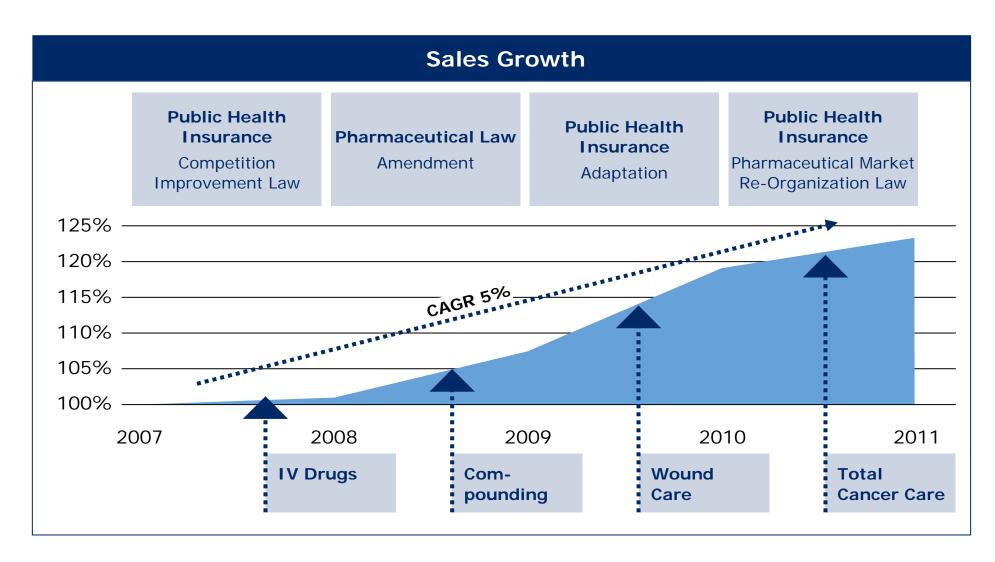
Market Position Fresenius Kabi Holds Leading Positions



| Product Segment | | Market Position |
|----------------------|--------------------------|-----------------|
| Parenteral Nutrition | | 1 |
| Enteral Nutrition | | 1 |
| IV Drugs | Anti-Infectives | 1 |
| | Anesthetics & Analgesics | 1 |
| | Oncology | 2 |
| Standard Solutions | | 1 |
| Medical Devices | | 2 |

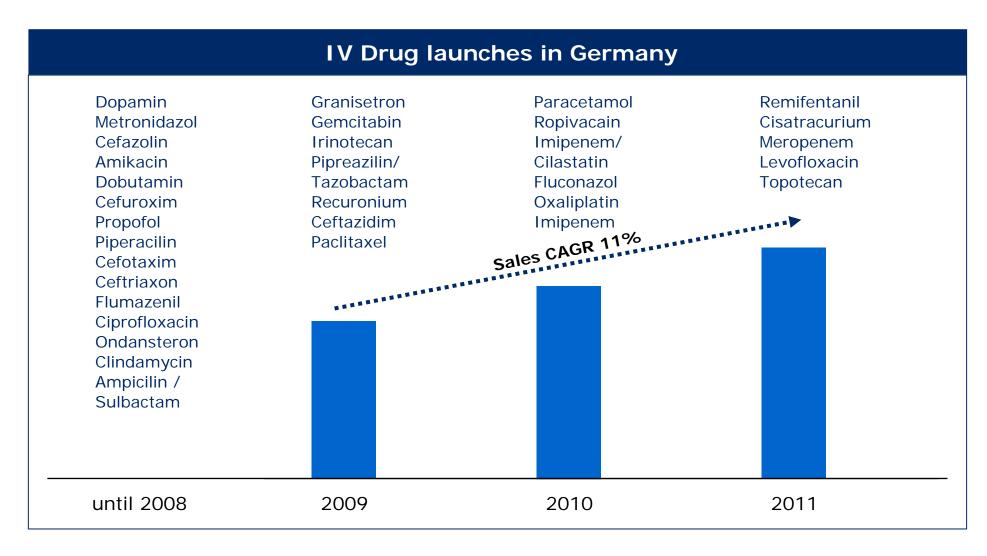
Proven Track Record New Business Activities Support Sustainable Growth





Market Growth Drivers Within Short Time a Full Range of IV Drugs





Market Growth Drivers Compounding – Successful Entry Into New Market



Compounding is

- Patient-individual preparation
- Under supervision of skilled pharmacists
- Based on doctors prescription

Our key strength

- Long lasting proven competence in technology, production & logistics
- Broad range of products
- Close relationship with insurance companies for reimbursement

Market size and potential

- >2.3 million compounded bags/year
- >€1.2 bn reimbursed by health care insurance
- >80% of compounded bags are for oncology patients

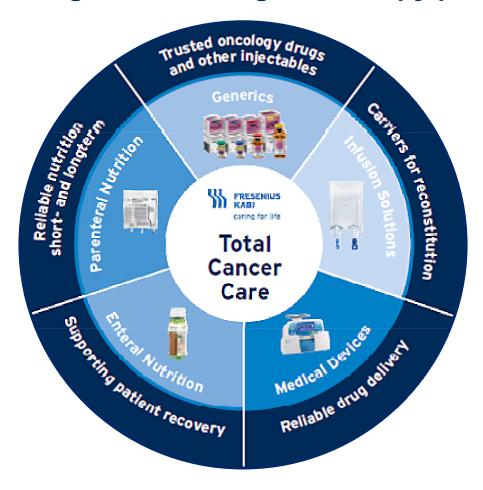
Today's presence



Market Growth Drivers Covering The Medical Needs of Cancer Patients



Comprehensive integrated oncological therapy portfolio



Market Growth Drivers Special Treatment Dedicated to HomeCare



Demographics increase patient numbers, e.g.

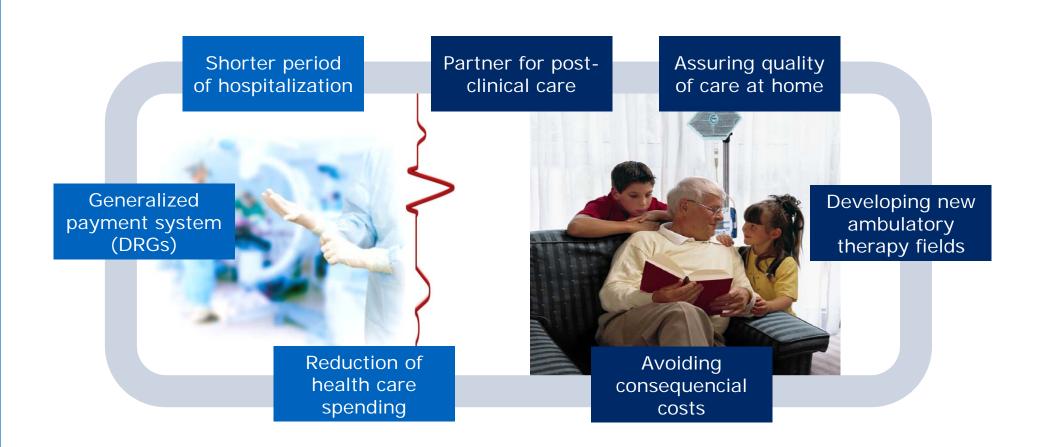
Malnutrition, dementia, stroke, oncology or chronic wounds



Quelle: BVMed e.V., Homecare Ambulante Perspektiven, Berlin, November 2011

Market Growth Drivers Well Positioned in a Growing HomeCare Market

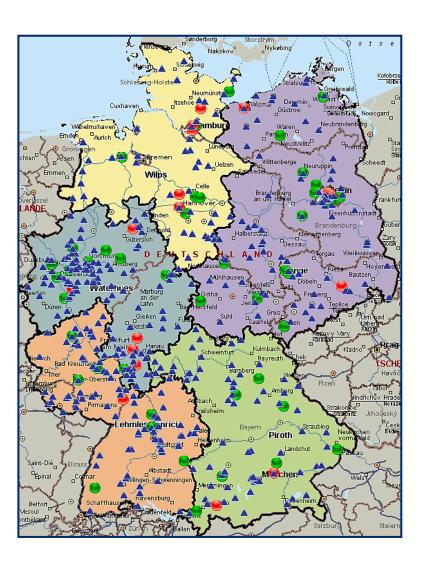




Fresenius Kabi's service portfolio meets patient needs

Market Growth Drivers One of Germany's Biggest HomeCare Organization





- Established in 1987
- Full coverage of Germany
- Highly qualified and trained nurses
- 540 nurses providing homecare service for more than 15,000 patients p.a.

- Freelancer
- Application Advisor
- HomeCare-Manager

Outlook IV Drugs & Compounding

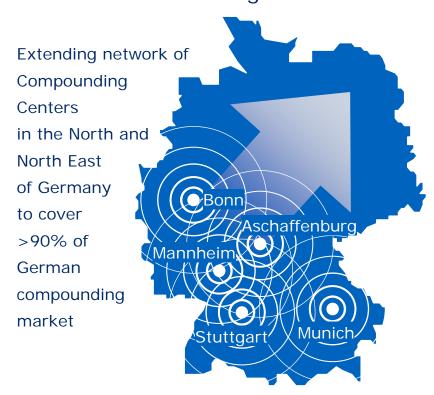


IV Drugs

Continued future growth

| Launch of new molecules until 2017 | |
|------------------------------------|----|
| Oncology | 17 |
| Anti-Infectives | 9 |
| Anesthesia & Analgesia | 3 |
| Critical Care | 10 |

CompoundingMarket consolidation and geographical rollout drives further growth





Established Markets Focus USA

John Ducker

Member of the Management Board President Region North America

Capital Market Day Fresenius Kabi, June 12, 2012

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- 1 Established Markets Overview
- 2 Focus Germany
- **3** Focus USA
- 3.1 IV Generics
- 3.1.1 Growth Strategies
- 3.1.2 Market Characteristics
- 3.1.3 US Drug Shortages
- 3.2 Parenteral Nutrition
- 3.3 Infusion Technology

IV Generics Fresenius Kabi USA Operations

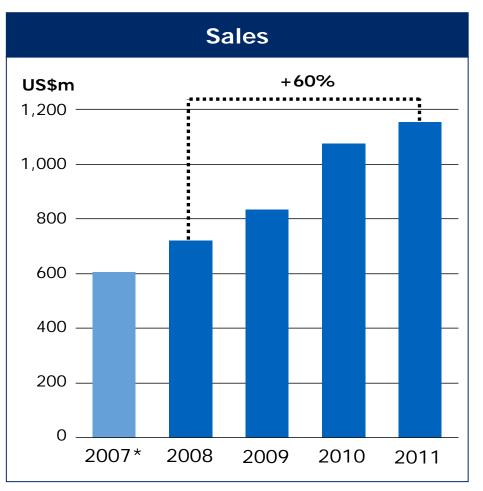




1,571 employees

IV Generics FK USA IV Generics Sales 2007-2011





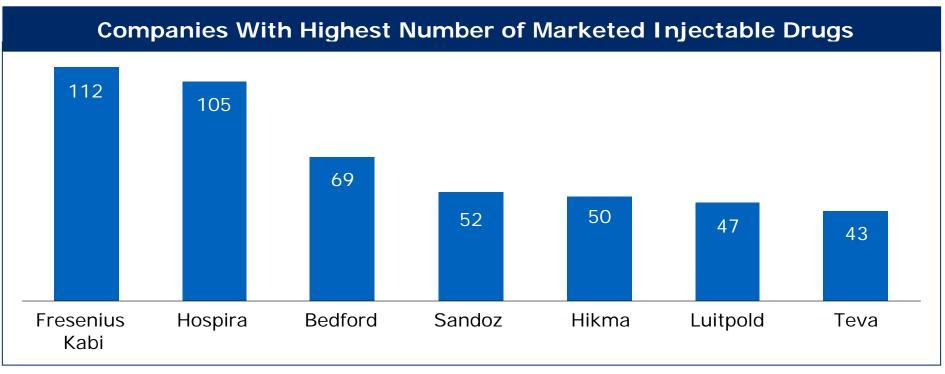
- 5-year CAGR of 17%, well ahead of initial expectations
- +60% since APP acquisition
- Successful product launches and capitalizing on special situations (Gemcitabine, Propofol, etc.)
- Drug shortage benefit in 2010,2011 and 2012 to date

^{*}before APP Pharmaceuticals acquisition by Fresenius Kabi

IV Generics Market Analysis USA Injectable Generics



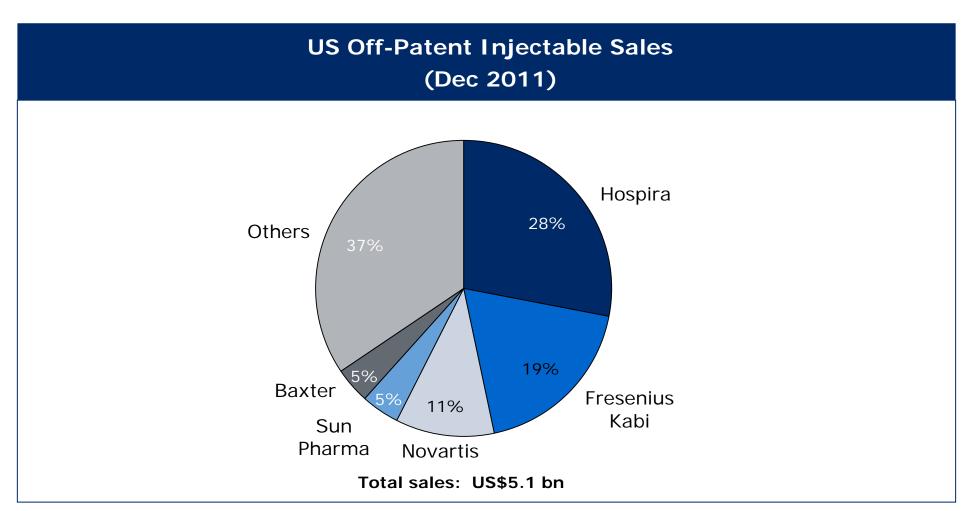
- Fresenius Kabi is the leading generic injectable company by number of marketed molecules
- Broad product offering across all therapeutic classes



Source: IMS 2011 December (National Sales Perspective), molecules with non-zero sales / Fresenius Kabi Internal Analysis (2011)

IV Generics Market Analysis USA Injectable Generics





Source: IMS MAT Dec 2011, IV Generics, excluding Enoxaparin

Market Characteristics USA Injectable Generics



- Large and attractive market
- Market growth is fed by the expiry of originator patents
- High barriers to entry
- Tender business with consolidated customer base
- Hatch-Waxman creates high margin opportunities for first to file patent challengers of originator patents
- FDA Office of Generic Drugs is highly resource constrained

Market Characteristics Outlook USA Injectable Generics



- The 'patent cliff' is predominantly an oral drug phenomenon
 - There is a steady stream of patent expiries in the injectable segment which will continue to drive market growth over the next ten years
 - In the US alone, 172 small molecule injectable products with over US\$20 bn in branded sales face patent expiration over the next decade*
- Unlikely to see significant impact of biosimilars in the US market before 2016/17 and monoclonal antibodies not before 2020
 - FDA guidance still under review three years after Biologics Price Competition and Innovation Act of 2009 created biosimilar pathway
 - Extent of clinical data required still subject to debate

^{*}Source: IMS MAT Dec 2011, based on Orange Booklast listed patent expiry year and internal IP intelligence

Growth Strategies Injectable Generics

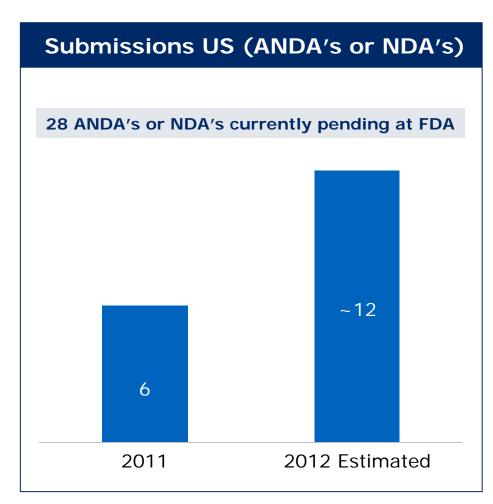


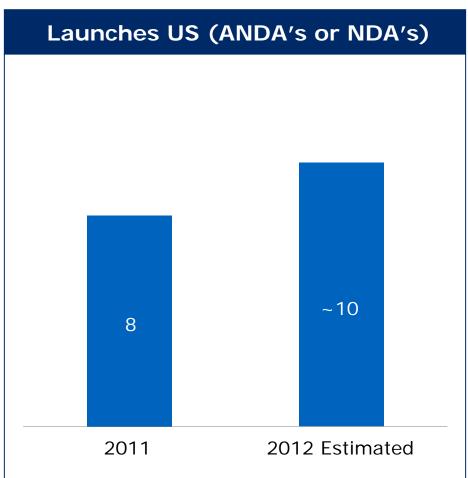
Key Success Factors...

- Fast to market
- Breadth of portfolio
- Cost leadership
- Supply reliability
- Safety leadership
- Flexible approach to business environment
- Focus on 'generic plus' for better margins

Growth Strategies Injectable Generics Product Pipeline







Fresenius Kabi Internal Analysis 2012

US Drug Shortage A Short Term Opportunity



■ 87 Injectable generic drugs remain on shortage*

■ Fresenius Kabi markets 29 of these molecules

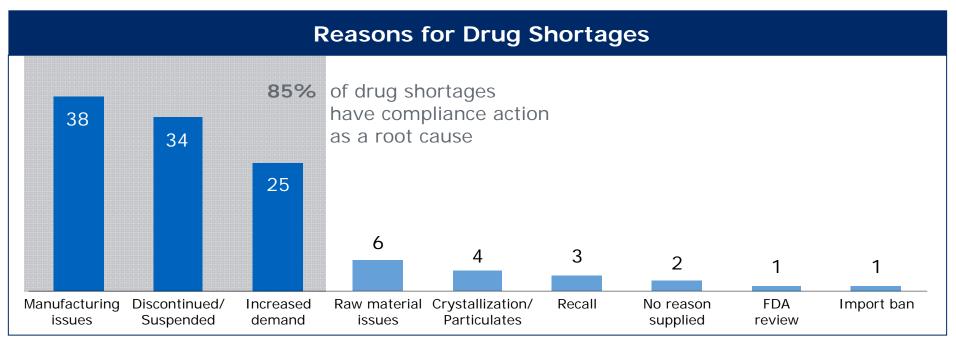
| Alfentanil Injection | Fosphenytoin Sodium Injection | Ontak injection |
|---|---|--|
| Amikacin Injection | Ganite (gallium nitrate injection) | Orphenadrine Citrate Injection |
| Amino Acid Products | Hydromorphone Hydrochloride Injection | Oxytocin Injection, USP (synthetic) |
| Ammonium Chloride Injection | Intravenous Fat Emulsion | Paclitaxel Injection |
| Atropine Sulfate Injection | Ketorolac Injection | Pancuronium Bromide Injection |
| Bupivacaine Hydrochloride Injection | Leucovorin Calcium Lyophilized Powder for Injection | Pentostatin for Injection (Nipent) |
| Buprenorphine Injection | Leuprolide Acetate Injection | Phentolamine Mesylate for Injection |
| Butorphanol Injection | Levofloxacin Injection | Phytonadione Injectable Emulsion (Vitamin K) |
| Calcitriol 1 mcg/mL Injection | Levoleucovorin (Fusilev) 50 mg single use vials | Potassium Chloride Injection 2 mEq/mL |
| Calcium Chloride Injection | Lidocaine Hydrochloride Injection | Potassium Phosphate Injection |
| Chloroprocaine (Nesacaine) Injection | Lorazepam Injection | Procainamide HCL Injection |
| Chromic Chloride Injection | Magnesium Sulfate Injection | Prochlorperazine Injection |
| Cisplatin injection 1 mg/mL solution | Mannitol Injection | Promethazine Injection |
| Daunorubicin Hydrochloride Solution for Injection | Mesna 100 mg/mL Injection | Propofol Injection |
| Desmopressin Injection | Methotrexate Injection | Protonix (pantoprazole) |
| Dexrazoxane Injection | Methyldopate Injection | Selenium injection |
| Diazapam Injection | Metoclopramide Injection | Sodium Acetate Injection |
| Digoxin Injection | Midazolam Injection | Sodium Bicarbonate Injection |
| Diltiazem Injection | Mitomycin Powder for Injection | Sodium Chloride 0.9% (5.8mL and 20mL) |
| Diphenhydramine Hydrochloride Injection | Morphine Sulfate Injection | Sodium Chloride 23.4% |
| Doxorubicin (adriamycin) lyophilized powder | Morphine Sulfate Injection (Preservative Free) | Sodium Lactate Injection |
| Doxorubicin Liposomal (Doxil) Injection | Multi-Vitamin Infusion (Adult and pediatric) | Telavancin (Vibativ) Injection |
| Doxorubicin Solution for Injection | Mustargen (mechlorethamine HCI) | Thiotepa for Injection |
| Epinephrine Injection | Nalbuphine HCI Injection | Tobramycin Solution for Injection |
| Etomidate Injection | Naloxone Injection | Tromethamine Injection |
| Etoposide solution for injection | NeoProfen (ibuprofen lysine) | Vasopressin Injection |
| Fentanyl Citrate Injection | Ondansetron Injection 2 mg/mL | Vecuronium Injection |
| Fluorouracil Injection | Ondansetron Injection 32 mg/50 mL premixed bags | Vinblastine Sulfate Injection |

^{*}Source: FDA Office of Drug Shortage, June 01, 2012

US Drug Shortage Primary Causes and Outlook



- Fresenius Kabi has benefitted from a short-term boost in sales
 - Expected to normalize during 2012
- Fresenius Kabi is investing significantly in the long-term future of the business
 - Significant capacity expansion at our US production units
 - Grand Island Warning Letter (Feb 2012) is not expected to impact supply



Source: IMS report - "Drug Shortages: A closer look at products, suppliers and volume volatility."

Parenteral Nutrition Market Characteristics USA



- High barriers to entry
- Starved of innovation
- Dominated by two established players
- Hospital business is consolidated and tender driven with complex bundles

- Significant opportunity to enter US\$240 m market for macro nutrients
- Standardization of macro substrates will require change in clinical practice and prescribing patterns – but market ripe for new entrant
- Approval timing unpredictable new product category
- Kabiven will be the first 'All-in-One' macro nutrient solution in the US

Parenteral Nutrition Update on Revenue Synergy Guidance



Expected Timelines

2013 **Kabiven Approval**

2013 **Kabiven Launch**

2015-16 Omegaven Launch

- Kabiven approval and launch now only expected in 2013
- FDA approval delayed due to requirement of an additional handling study (as of March/April 2012) as Kabiven packaging is new to the US
- Previous guidance of €50 70m* revenue synergies in 2013 can only be achieved with a time delay of one to two years
- Omegaven is a life-saving drug for children with Parenteral Nutrition Associated Livers Disease (PNALD)
- IIT** data from leading US hospitals will be used to support fast track approval as an orphan drug

^{*}Synergy sales from the launch of Fresenius Kabi products in the Parenteral Nutrition and Medical Devices segments

^{**} IIT = Investigator Initiated Trial

Parenteral Nutrition Parenteral Nutrition Product Pipeline



THE COMPLEXITY OF Parenteral Nutrition



Capital Market Day – Established Markets – Focus USA, John Ducker, © Fresenius Kabi, June 12, 2012

Parenteral Nutrition Parenteral Nutrition Product Pipeline



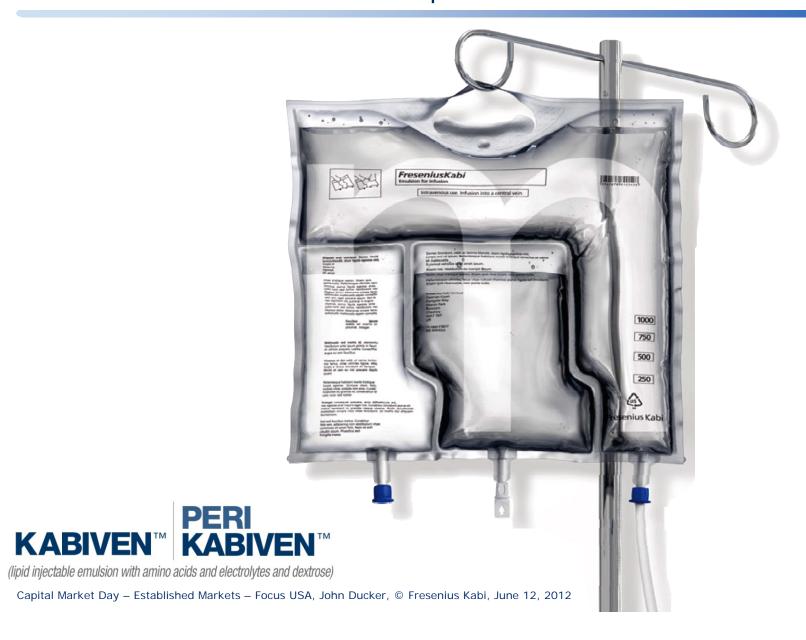
THE FRESENIUS KABI SOLUTION





(lipid injectable emulsion with amino acids and electrolytes and dextrose)









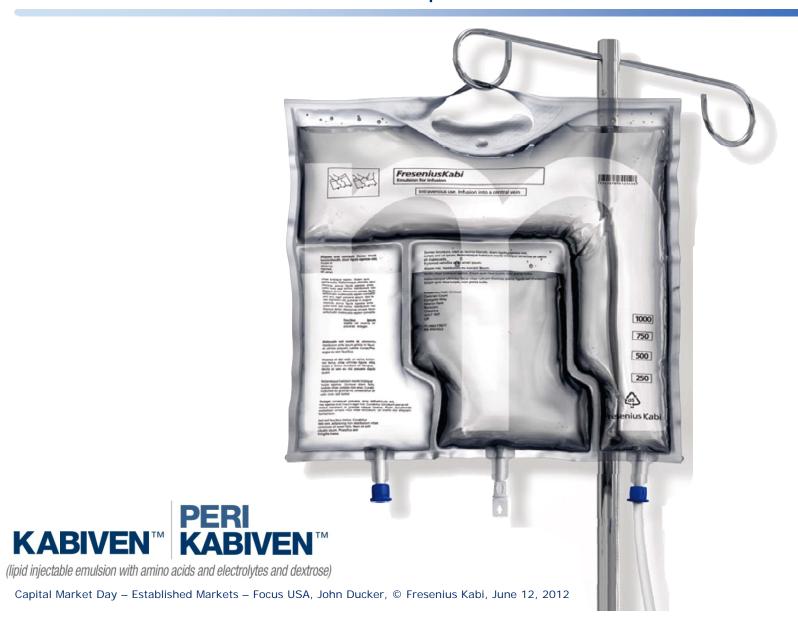












Infusion Technology Market Characteristics USA



- Infusion pump and sets market of >US\$800 m is led by CareFusion
 - Significant quality and compliance issues for major competitors
- Installed base of >1 million pumps the consumables business generates more than half of the market value
- Opportunity for a new market entrant with a strong international legacy in the segment
- Long sales cycle and complicated contracting models create barriers to entry
- Infusion pump recalls and adverse events have prompted a full review of the medical device regulatory processes in the US
 - FDA has released new guidance and significantly increased the clinical requirements for all new submissions, delaying approvals



Infusion Therapy Medical Devices Product Pipeline





AGILIA

- Intuitive
- Robust
- Reliable
- Stackable
- Versatile

May 28, 2012 510k Submission Agilia Volumat MC 2013/2014 Launch **Agilia Volumat**

Followed by **Agilia Injectomat**

Timelines contingent on FDA

Fresenius Kabi USA Key Success Factors



Continued success with 'First to Market' injectable generics

- More 'first to files' with a focus on 'hard to do' formulations
- Continued business development success
- Expanded portfolio to offer novel presentations (convenience, safety)

Successful rollout of Fresenius Kabi core PN portfolio

- Build a high performance team
- Achieve FDA NDA approvals
- Convert compounding practice to 'Ready to Use' SIMPLIFY

Successful rollout of Fresenius Kabi Infusion Technology portfolio

- Build an expert team
- Achieve FDA 510k approvals
- Successful marketing strategy: Capitalize on proven reliability of Agilia pump

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Safe Harbor Statement

This presentation contains forward-looking statements that are subject to various risks and uncertainties. Future results could differ materially from those described in these forward-looking statements due to certain factors, e.g. changes in business, economic and competitive conditions, regulatory reforms, results of clinical trials, foreign exchange rate fluctuations, uncertainties in litigation or investigative proceedings, and the availability of financing. Fresenius does not undertake any responsibility to update the forward-looking statements contained in this presentation.



Capital Market Day 2012

June 12, 2012

















Fresenius Kabi Strategy and Outlook

Mats Henriksson

Deputy Chairman of the Management Board

Capital Market Day Fresenius Kabi, June 12, 2012

Fresenius Kabi Strong Track Record Meets Strong Growth Prospects



Fresenius Kabi in 2015

Sales: ~**€5,500 m**

EBIT: >**€1,000 m**



Strategy for Growth Emerging Markets





Dynamic Emerging Market Growth

Increase share of business in Asia-Pacific, Latin America and Africa from 29% in 2011 to 35 - 40% in 2015

- Rollout of product portfolio
- Expand geographic footprint through selective acquisitions
- Continue to build the market for safety and convenience systems/concepts
- Focus on education and scientific training in order to build markets and improve medical practices

Strategy for Growth Global Product Portfolio





Geographic product rollout

Globalization of product portfolio

Asia-Pacific: Enteral Nutrition, IV Drugs,

Infusion Solutions and Medical Devices

North America: Parenteral Nutrition and

Medical Devices

Latin America: IV Drugs, Clinical Nutrition,

Infusion Therapy and Medical Devices

Europe: Compounding, Enteral Nutrition

and Medical Devices

Strategy for Growth Strong Product Pipeline





Robust pipeline in all product segments

Example patient Chris has been successfully treated with Fresenius Kabi products worth more than €3,700.

- Focus on first-to-market launch on patent expiry
- Combine our expertise in IV formulations, Clinical Nutrition and Medical Devices
- Active product life cycle management of the various product lines

Strategy for Growth Increasing Demand for Generics





Continuing Growth of Generics

Launch of **7 - 10 generic molecules per year** in addition to global rollout

- Provision of affordable products
- Products for safe and convenient use in the medical routine
- Sustainable business based on supply reliability, quality and cost leadership

Strategy for Growth Consolidation in the Marketplace





Market Consolidation

Excellent track record in concluding and integrating acquisitions. Over the last **5 years 23 acquisitions** have been executed and contributed sales of **€904 m**.

- Selective acquisitions in areas where the market is still fragmented
- Leading role in the consolidation process
- Global economies of scale and vertical integration

2012 and Mid-term Outlook Mid-term Outlook Fully Confirmed



| | 2012 | Mid term |
|----------------------|------------|----------|
| Organic Sales Growth | 7 - 9% | 7 - 10% |
| EBIT Margin | 20 - 20.5% | 18 - 21% |

Mid-term outlook fully confirmed

- Supported by strong business in all regions
- US EBIT margin to normalize to low 30ies
- Leverage cost structure
- Production efficiencies / volume effects to maintain gross margin



It is in the execution of a strategy where you see the difference

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Capital Market Day 2012

June 12, 2012

















GLOSSARY

А

Additives

Nutrient additions to parenteral nutrition solutions, e.g. electrolytes and water- and fat-soluble vitamins, and trace elements, e.g. iron, zinc, copper.

Adjuvant

Adjuvant therapy, also called adjuvant care, is a treatment that is given in addition to the primary, main or initial treatment.

Alkaloid

Alkaloids are a group of naturally occurring chemical compounds that contain mostly basic nitrogen atoms. Examples are the analgesic morphine and the anticancer compound vincristine.

Ambix activ

The Ambix activ system is designed for parenteral nutrition and antibiotic therapy. The Ambix activ electronic ambulatory pump, its dedicated infusion sets (for stationary application and for ambulatory application) and the backpacks offer a safe, user-friendly and comfortable application, specially adapted for mobile patients.

Amino Acid

Smallest element of a protein.

Analgesic

Medication used for pain relieve.

Anesthetic

Anesthesia drug which causes reversible loss of, e.g. sensory sensation. They contrast with analgesics, which relieve pain without eliminating sensation.

Antibiotic

Antimicrobial drug for treating bacterial infections.

Antifungal

Antimicrobial drug for treating fungal infections.

Antimycotic

Antimicrobial drug for treating of fungal infections.

Antispasmodic Agent

Drug against abnormal contractions, e.g. of intestinal organs.

Antiviral Drug

Antimicrobial drug for treating of viral infections.

Apheresis

A medical technology in which the blood of a donor or patient is passed through an apparatus that separates out one particular constituent and returns the remainder to the circulation.

API (Active Pharmaceutical Ingredient) The substance in a medicinal product that is biologically active.

Artificial Colloid

A colloid is a substance which is dispersed in another medium (e.g. liquid).

Colloids not produced from blood, e.g. hydroxyethyl starch, gelatine or dextran, are called artificial colloids.

В

Benzodiazepine

Drug with sedative, hypnotic and anxiolytic properties. Benzodiazepine antagonists are drugs used to completely or partially reverse the central sedative effects of benzodiazepines.

Blood Processing System

Disposables and equipment for the collection, processing and separation of human whole blood into its various components.

Blood Volume Substitute

Blood volume substitute for the therapy and prophylaxis of volume deficiency.

C

Carbohydrate

Organic compound consisting of carbon, hydrogen and oxygen. Examples are glucose and starch.

CCU (Critical Care Unit)

Ward for intensive diagnostics and treatment, e.g. in life-threatening conditions.

Central Venous

Infusion or pressure measurement via a catheter close to the right atrium of the heart.

Cephalosporin

Cephalosporins belong to the class of β -lactam antibiotics.

CHMP

The Committee for Medicinal Products for Human Use (CHMP) is the European Medicines Agency's committee responsible for preparing the agency's opinions on all issues regarding medicinal products for human use.

Clinical Nutrition

Parenteral and enteral nutrition.

Colloid

Blood and plasma substitutes.

Colorectal Carcinoma

Cancer of the distal intestine.

Compounding

Mixing of different components for intravenous administration (parenteral nutrition mixtures or IV drug preparations).

Convulsion

Medical condition in which the body's muscles contract and relax repeatedly in quick succession, resulting in an uncontrolled shaking of the body.

Crystalloid

Fluids containing electrolytes like sodium or chloride. Crystalloids are used for fluid therapy to replace lost fluids in patients. Moreover, crystalloids can be used as carrier solutions for intravenously administered drugs.

Cystic Fibrosis

Cystic fibrosis (also known as CF or mucoviscidosis) is a recessive genetic disease affecting most critically the lungs and also the pancreas, liver, and intestine. It is characterized by abnormal transport of chloride and sodium across the epithelium, leading to thick, viscous secretions.

Cytostatic

A cytostatic drug is a naturally occurring or synthetic compound with the ability to prevent the growth and proliferation of cells. Cytostatic agents can be used to treat cancer and autoimmune diseases.

Cytotoxic

Cytotoxic drugs act by directly killing cells.



DEHP

Diethylhexylphthalate, commonly abbreviated to DEHP, is the most important phthalate with plasticizing properties.

Diarrhea

An abnormal increase in the frequency and liquidity of stool.

Dipeptide

Peptide consisting of two amino acids.

Disease Management

Holistic concept of patient treatment taking into account all medical aspects associated with the disease.

Dressing Set

Set for wound care, e.g. plaster for fixation.

Duodenal

Relating to the duodenum (upper part of the intestine/small bowel).

— E —

Electrolytes

Essential minerals (e.g. sodium, potassium, chloride, magnesium, phosphate).

Enteral Nutrition

Administration of liquid nutrition as sip or tube feed via the gastrointestinal tract.

Ethylene Glycol

Additive for synthesizing hydroxyethyl starch (HES).



FDA (U.S. Food and Drug Administration) Official authority for food observation and drug registration in the U.S.

Feeding Pump

Medical pump to administer enteral nutrition.

Fistula

Abnormal tubelike passageway within body tissue, usually between two internal organs/tissues or leading from an internal organ/tissue to the body surface.



Gastric Button

Special feeding tube for direct access to the stomach.

Gastrointestinal Tract

The gastrointestinal tract comprises all structures and organs between the mouth and the anus, the major parts being the stomach and intestines.

Giving Set

Mostly tubing sets to transfer solutions from one container to another or from a container to the patient.

Glucose

A monosaccharide sugar that is one of the most important carbohydrates.

Glutamine

A conditionally essential amino acid that plays an important role for critically ill patients. Glutamine strengthens the immune and other cellular defense systems, thus helping to improve clinical outcome.



Hemolysis (or Haemolysis)

Rupturing of erythrocytes (red blood cells).

Hemostasis (or Haemostasis)

Process to stop bleeding from damaged blood vessels in case of injury.

HES (hydroxyethyl starch)

Our HES products are derived from waxy maize starch. HES solutions are primarily used for the prevention and treatment of hypovolemia (to substitute a blood volume deficiency).

Hydrolysis

A chemical process in which a molecule is cleaved into two parts adding a water molecule.

____ I ____

Hypovolemia (or Hypovolaemia) Blood volume deficiency.

ICU

Intensive Care Unit.

Infusion Disposables

Single-use medical devices for administering infusion solutions or IV drugs to a patient.

Infusion Management System

A modular infusion system consisting of infusion and syringe pumps to allow simultaneous administration of different intravenous drugs/infusion solutions and at the same time record the infused volume.

Infusion Solution

Intravenously administered solutions to compensate a loss of fluids and regulate the electrolyte and acid-base status.

Infusion Therapy

Administration of drugs directly into the blood stream (intravenous administration).

INN (International non-proprietary name) Official non-proprietary or generic name given to a pharmaceutical substance, as designated by the World Health Organization (WHO).

Intestinal

Relating to the bowel.

IV

Intravenous.

IV Drug

Intravenously administered drug, e.g. anesthetics, antibiotics, anti-infectives, etc.

—— J ——

Jejunal

Relating to the jejunum (middle part of the intestine/small bowel).

LCT (Long-Chain Triglyceride)

Triglyceride containing fatty acids with 16 or more carbon atoms. LCTs in parenteral lipid emulsions and enteral feeds provide energy and essential fatty acids.

Lipid Emulsion

Lipid emulsions are elements of parenteral nutrition and primarily provide energy and essential fatty acids.

Lyophilization

Malnutrition

A dehydration process typically used to preserve a perishable.

Imbalance between nutritional needs and nutritional intake that covers both under- and overnutrition. Undernutrition is a poor nutritional condition due to either an energy expenditure exceeding energy uptake or a deficiency of certain nutrients. Overnutrition is caused by a food

--- M ----

uptake exceeding energy expenditure and may result in obesity.

MCT (Medium-Chain Triglycerides)

Triglycerides containing fatty acids with 8 to 14 carbon atoms. Parenteral lipid emulsions and enteral feeds contain MCTs to rapidly provide energy.

Morbus Crohn

Chronic inflammation of the gastrointestinal tract, most commonly the bowel.



Neoadjuvant

In oncology, neoadjuvant therapy is the use of therapeutic agents before a main treatment. This treatment aims to reduce the size or extent of the cancer before using radical treatment intervention, thus making the procedure more likely to being successful.



Omega-3-Fatty-Acids

Long-chain polyunsaturated fatty acids, in particular α -linolenic acid (LA) derived from plants and eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA) that are found especially in fish oil.



Parenteral Nutrition

Administration of nutrients directly into the patient's blood stream (intravenously).

PEG-Tube (Percutaneous Endoscopic Gastrostomy)

Percutaneously placed feeding tube for the administration of enteral nutrition.

Percutaneous

Effected or performed through the skin.

Peripheral Venous

Concerning a venous vessel not close to the heart.

Phospholipids

Lipids consisting of a hydrosoluble and a liposoluble part, which can therefore be used as emulsifiers, e.g. for manufacturing lipid emulsions.

Polyunsaturated Fatty Acids

Fatty acids with more than one double bond in the carbon chain.

Port

A fully implantable subcutaneous small port housing with membrane and catheter for chemotherapy, infusion therapy, parenteral nutrition, etc.

Pseudo-obstructive Gut Disease

Digestive disorder. The intestinal walls are unable to contract normally to generate wave-like motion. This condition resembles a true obstruction, although there is no blockade.



Sedation

Drug induced calming effect in patients by reversible and temporary suppression of the central nervous system activity.

Sepsis

Medical condition characterized by an inflammatory reaction of the whole body to a known or suspected infection through bacteria, their toxins, viruses, parasites or fungi. A lay term for sepsis is blood poisoning.

Syringe Pumps

Electronic pumps for dosing solutions precisely with a syringe as a source container.

Taxanes

Diterpenes originally derived from the bark of yews. Substitutes for this family of substances, such as paclitaxel and docetaxel, are used in cancer therapy.

TCI

Target-controlled infusion, e.g. of propofol.

Three-chamber Bag

A product for parenteral nutrition, containing the macro-nutrients, amino acids, glucose, and lipids in three separate chambers, with or without electrolytes. Immediately before infusion the peel seals separating the individual chambers are opened and all nutrients are mixed thoroughly within the bag.

TIVA

Total intravenous anesthesia.

Transfer Set

Connects a container with a body access system. It is used, for example, to administer enteral and parenteral nutrition as well as for volume therapy.

Transfusion Technology

Technology used to donate, prepare and administer blood components.

Transnasal Tube

Nutrient tube (ending in the stomach or intestine) introduced via the nose.

Triglyceride

Neutral fat; consisting of three fatty acids linked to glycerol.

Virostatic Agent

Chemical substances for treating virus-related infections.

Volume Therapy

Infusion therapy to maintain or restore the circulating blood volume.

Volumetric Pump

Electronic pumps for highly accurate intravenous infusion of fluids, drugs or parenteral nutrition (volumetric-based).

Vomitus

Term derived from Latin, medically known as emesis (throwing-up).

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