



Industrial Applications Day

4 December 2007

Indépendance Indépendance



International International

Infectiologie Infectiologie

Innovation Innovation



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10:40	Welcome
10:50	Industrial Applications
11:35	Food Applications
11:55	Biopharma Applications
12:15	Q&A Session
12:35	Lunch with the Management Team
13:35	Product Display
14:20	Industrial Applications Research and Development
14:50	Customer Testimonial
15:20	Industrial Applications Outlook
15:35	Conclusion
15:45	Final Q&A Session



Today's Speakers



Alain Mérieux President



Alexandre Mérieux Corporate Vice President, Industrial Applications



Joseph Jammal Industrial Applications, Food Business



Renaud Jonquières Industrial Applications, Biopharma Business



Vincent Atrache Industrial Applications, Research and Development



Sylvain Bernard Quality Director Blédina



Stephane Bancel Chief Executive Officer



Outline

- 1. Industrial Applications and bioMérieux Alexandre Mérieux
- 2. Food Applications
- 3. Biopharma Applications
- 4. Q&A Session
- 5. Industrial Applications Research and Development
- 6. Customer Testimonial
- 7. Industrial Applications Outlook
- 8. Conclusion
- 9. Final Q&A Session





bioMérieux's Mission

- Contribute to the improvement of public health worldwide through in vitro diagnostics
 - Clinical applications: patient health
 - Industrial applications: consumer safety and product quality

Mission / Environment

Market

bioMérieux and Industrial Applications The Food Market: bioMérieux Solutions The Biopharma Market: bioMérieux Solutions



bioMérieux: The Leader in Industrial Applications

Ensuring consumer safety and product quality

Focusing on

- Prevention of contamination
- Control of the manufacturing process and final product

In the food sector

- Early detection of pathogens in food manufacturing
- Enumeration of quality indicators
- In the biopharmaceutical sector
 - Environmental monitoring
 - Product testing

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A Strong Need for Microbiological Control

Frozen peperoni pizza linked to *E.coli* outbreak

- 21 cases
- 8 hospitalizations: kidney conditions, hemolytic syndrome
- Nationwide product recall
- General Mills
- Brand at stake: 120 million pizzas produced yearly

Mission / Environment

Market

bioMérieux and Industrial Applications The Food Market: bioMérieux Solutions

The Biopharma Market: bioMérieux Solutions

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A Strong Need for Microbiological Control



The Control Process







Market Analysis

2006 Industrial Applications market: € 1.15 billion



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Competitive Landscape

A fragmented market, becoming increasingly concentrated

Top players represent about 60% of the global market



Competitive Landscape





Strong

○ Present



Main External Market Drivers

A growing market: 5-7% per annum

- Globalization of food and pharma supply
- Increasingly stringent regulations
- Increased consumer and manufacturer awareness of product quality and safety issues
- Importance of quality in the manufacturing environment HACCP - Hazard Analysis Critical Control Point testing

Mission / Environment

Market

bioMérieux and Industrial Applications The Food Market: bioMérieux Solutions The Biopharma Market: bioMérieux Solutions



Main Internal Market Drivers

A growing market: 5-7% per annum

- Importance of short time-to-result for product release
- Conversion from manual to automated
- Cost savings
- International customers/harmonization of quality practices

Mission / Environment

Market

bioMérieux and Industrial Applications The Food Market: bioMérieux Solutions

The Biopharma Market: bioMérieux Solutions

bioMérieux Market Leader

Breakdown of 2006 Sales



Worldwide leader

- Market share: 13%*
- 2006 sales: €143 m, up 11.5%

Food

BIOMÉRIEUX

- Leader in rapid pathogen detection*
- 2006 sales: €80 m

Biopharma

- Leader in identification*
- 2006 sales: €55 m

* bioMérieux estimates

Mission / Environment

Market

bioMérieux and Industrial Applications The Food Market: bioMérieux Solutions The Biopharma Market: bioMérieux Solutions

Conclusion

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2006 Sales and Growth by Region



Europe - Middle East - Africa



- Strong market penetration
- Highly diverse market
- Harmonization of regulations in food applications
- > 2007 Q3 YTD sales: up 8.6%*

*Like-for-like

Mission / Environment

Market

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Conclusion

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North America



- Successive contamination outbreaks
- Recent launch of TEMPO[®], with USDA recognition
- Success of VITEK[®]2 Compact and BacT/ALERT[®]
- > 2007 Q3 YTD sales: up 12.4%*

*Like-for-like

Mission / Environment

Market

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Conclusion

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Asia Pacific



- Highly diverse market
 - Mature in Japan and Australia
 - Developing in China, India and ASEAN
- Strong brand image in China
- > 2007 Q3 YTD sales: up 14.9%*

*Like-for-like

Mission / Environment

Market

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Latin America



- Mainly a food market
- Export countries
- Emerging pharma industry
- > 2007 Q3 YTD sales: up 27.2%*

*Like-for-like

Mission / Environment

Market

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2006 Sales and Growth by Technology



Mission / Environment

Market

bioMérieux and Industrial Applications The Food Market: bioMérieux Solutions The Biopharma Market: bioMérieux Solutions



Dedicated Teams

Dedicated sales and R&D people supported by global operations



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Food Applications: Customer Needs

Ever increasing expectations and needs

Improve performance

- Analytical performance and menu
- Time-to-result
- Official validations and endorsements

Speed up workflow

- Ease-of-use
- Hands-on time
- Reduce global manufacturing cost
- Optimize manufacturing processes
- Secure transcription and registration of testing results
 - Interface with LIMS (Laboratory Information Management System)

Mission / Market bioMérieux and The Food Market: The Biopharma Market: bioMérieux Solutions Control Description (Control Description) (Control Description	Conclusion
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Mission / Environment

Market

bioMérieux and Industrial Applications The Food Market: bioMérieux Solutions The Biopharma Market: bioMérieux Solutions

Industrial Applications

Manual Solutions for Food Quality Control

Yesterday in the lab





Preparation of sample

Preparation of medium



Decimal dilutions







BIOMÉRIEUX

Data input

Mission /

Environment



Inoculation



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TEMPO[®]: The Solution for Food Quality Control

Today with TEMPO®

- Faster processes
 - 4 steps instead of 8
- Simpler processes
 - From manual to automated
- More reliable method
 - Traceability
 - LIMS Laboratory Information Management System interfacing

Mission / Environment The Food Market: bioMérieux Solutions The Biopharma Market: bioMérieux Solutions



Biopharma Applications: Customer Needs

- Continuous pharmacopoeia compliance
- Zero defect
- High reproducibility
- Solid documentation and quality management system
- In-process control solutions
- Information management

The Biopharma Market: bioMérieux Solutions

API®

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BacT/ALERT®



bioMérieux's Offering

- A very large offering
- Well integrated in laboratory workflow
- Covering both the needs of food and biopharma customers
- From manual to automated products
- High quality, meeting customer requirements and compliant with regulations

bioMérieux and Industrial Applications The Food Market: bioMérieux Solutions The Biopharma Market: bioMérieux Solutions



bioMérieux's Unique Assets

- Market shaper and undisputed leader
- Unique portfolio of complementary technologies
- Worldwide sales network
- Leveraging on bioMérieux's global operations and investment capacity
- Demonstrated ability to integrate external innovation and products

bioMérieux and Industrial Applications The Food Market: bioMérieux Solutions The Biopharma Market: bioMérieux Solutions



BIDMÉRIEUX

Outline

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Food-borne Contaminations

Each year, contaminated food leads to:

- 2 billion illnesses
- 1.8 million deaths

W.H.O. estimates



The Food Applications Market

A € 700 million market, growing at 5-7% per year

3 main segments

By Segment

- **Food Safety** ⇒ pathogen flora detection
- Food Quality ⇒ quality indicator enumeration for food products or processes
- Others ⇒ antibiotic, hormone and metabolic residues, mycotoxines, allergens, pesticides, etc.





The Food Applications Market

A well-balanced global market




Market Drivers

A growing market

- Globalization of trade
- Growing consumer awareness
- Customer concentration
- Changing regulations

Mission

BIOMÉRIEUX

Primary Goal of Regulations: Reduce Food-borne Illnesses

A strong need for global regulations, consistent interpretation and enforcement



 January 2006: recent harmonization of microbiological criteria in Europe



No harmonization yet between Europe and the USA



bioMérieux Food Customers

From farm to fork



- Food industries:
- Service laboratories:
- Others:

on site and corporate laboratories

private and public

food outlet chains, restaurant chains and retailers



The Food Safety Market

A €220 million market

At stake

- Consumer health
- Brand image
- An example August 2006: Salmonella outbreak in Cadbury chocolate bars*
 - 37 people infected
 - Impact on sales: 14% down
 - Total cost for Cadbury: £20 million

* The Guardian, 3 August 2006

Mission	Market	bioMérieux's Solutions	Scientific Contribution	Conclusion
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The Food Quality Market

A €260 million market, mainly conventional



At stake

- Product quality
 - Look
 - Taste
 - Texture
- Financial implications
- Strong potential for conversion to automation



Competitive Landscape

Two global players in a still very fragmented market





Mission

Food Safety

Food Safety: the most comprehensive offering



Market

Conclusion

Food Safety: VIDAS[®]

VIDAS[®]: a large base to build upon



- Around 2,500 VIDAS®
- Standardization
- Robustness
- LIMS interfacing

The largest installed base in the food safety market

BIOMÉRIEUX

Market

bioMérieux's Solutions



Food Quality

TEMPO[®]: a major technological breakthrough in food quality indicators





Integration of TEMPO[®]: Case Study

Integration of TEMPO® in a manufacturer's laboratory

- Laboratory organization before TEMPO[®]
 - All quality indicators
 - In all food matrices
 - In the environment
 - Using AFNOR conventional methods (8 steps)
- 10 people
- 350 samples per day
- From Monday to Friday for the analysis, Saturday for the reading



Conventional Method



BIOMÉRIEUX

Today with TEMPO®: 4 Steps





bioMérieux's Solutions



Implementation of TEMPO®

A very user friendly implementation in the lab

- Week 1: 3 people trained by bioMérieux over 2 days
- Week 2: 10% of the samples changed to TEMPO[®] over 2 weeks
- Week 3: 100% of concerned samples and micro-organisms changed to TEMPO[®]
- Week 4: Rest of staff trained internally and adaptation to LIMS
- Week 5: All the staff trained



TEMPO[®]: Key Customer Benefits

- Meets increased demand
- Ensures reliable results
- Brings flexibility to the organization
- Makes it possible to take on other activities
- Focuses staff on higher added-value tasks

BIOMÉRIEUX

A Unique Scientific Contributor

- Strong, prestigious international support
 - 24 international experts contributed
- Pre-launch at the July 2007 Symposium of the International Association for Food Protection in Orlando
- 1,250 pre-orders
- A first edition of 2,500 copies





Conclusion

Our strengths

Food Safety: the most comprehensive offering

Food Quality: a unique platform with great room for growth

A significant scientific contribution to microbiological food testing



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Mission

- Provide biopharmaceutical industries with solutions:
 - To guarantee the microbiological safety of their working environments
 - To ensure biopharmaceutical product safety



The Biopharma Applications Market

A € 450 million market focused on three major applications

3 main segments

- Product control
 - Quality control strains
 - Detection of specific organisms and bioburden
 - Alternative microbiology
 - Sterility testing
- Environmental control
 - Air
 - Surface
 - Operators
- Identification and typing
 - Routine identification
 - Investigations







bioMerieux estimates



The Biopharma Applications Market

- €450 million
- Worldwide accounts
- Mainly in Europe and North America
- Strong growth in Asia Pacific







Competitive Landscape

An attractive market with new niche entrants





Market Drivers

- Public health issues: life threatening contaminations
- Brand image protection: a major issue for pharmaceutical manufacturers
- Globalization of pharmaceutical supplies
- Booming biotech market
- Better global in-process control
- Tight microbiology monitoring of expensive sterile products
- Strict and changing regulatory environment



Regulatory Environment

- Regulations: the major business driver
- Microbiology testing is mandatory



• edqm is a logo belonging to the European Directorate for the Quality of Medicines & Healthcare

- ICH is a logo belonging to the International Conference on Harmonisation
- FDA is a logo belonging to the Food and Drugs Administration
- PIC/S is a logo belonging to the Pharmaceutical Inspection Cooperation Scheme
- USP-NF is a logo belonging to US Pharmacopeia

Mission

Market

bioMérieux's Solutions

Conclusion

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Regulatory Environment

PAT (Process and Analytical Technology) initiative: reinforced role of microbiology in the pharmaceutical industry

- In-process controls
- FDA 2006 Guidance for Industry: "Quality should be built into the product, and testing alone cannot be relied on to ensure product quality"

- Increasing requirements
 - Demonstrated performance: ISO and pharmacopoeia
 - Increasingly strict microbiology acceptance criteria



Regulatory Environment

Main Milestones

- Important regulatory moves
 - Practices move from traditional to alternative microbiology
 - 2004: FDA approves Genzyme's use of BacT/ALERT[®] as an alternative microbiology testing method
 - 2004-2006: FDA and pharmacopoeias publish regulations allowing use of alternative technologies
- Today: a real opportunity for alternative automated methods dedicated to process analysis
 - Many R&D protocols and instruments
 - Few high throughput methods
 - Opportunity for VITEK[®] 2 Compact and BacT/ALERT[®]

The Biopharma Applications

Customer Needs in a Manufacturing Environment





Surface

Operators

Market

bioMérieux's Solutions

The Biopharma Applications

BIOMÉRIEUX

Customer Needs in Biopharmaceutical Products





[•] High impact on consumer health

• High added-value products

Finished product

Biologics process

(including biotechnology)



Water

Additives

Finished products

Tubes and Bottles BioBall[™] VITEK[®]2 Compact



API®

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Market

bioMérieux's Solutions

BacT/ALERT®

Conclusion

Environmental Control

bioMérieux, a key player worldwide with a complete solution



- Synergy among differentiated ranges
- High added-value products
- Unique performance and presence
 - Proprietary know-how and manufacturing facilities
 - Count-Tact[™] #1 in Europe/Asia and #2 in USA
- Continuous range extension
 - Copan Quantiswab™

BIOMÉRIEUX



Mission

Product Control

Conclusion

Reinforced control in upstream manufacturing processes

- Synergy among in differentiated ranges
 - bioMérieux leadership in culture media
 - Unprecedented BTF-patented calibration solutions
- Unique performance and ease-of-use
 - BacT/ALERT[®]
- Continuous range extension
 - Internal developments and external partnerships

Raw materials Water Additives Finished products	Preparation of sample Detection	Identification Typing
	BacT/ALERT®	VITEK®2 Compact DiversiLab®
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Identification and Typing







Identification, Typing and Interpretation

Identification

- Market leadership with VITEK® range and recognized expertise
- Product synergy unique in the market
 - PPM
 - API[®]
 - VITEK[®]
- Typing
 - DiversiLab® patented technology, best-in-class for its accuracy
- Data management solution and interface between systems
 - Partnership with Compliance Software Solutions Corporation
- Synergies between identification and typing ranges



Conclusion

- The most complete offering for all major steps in microbiological control
- Global quality meets high regulatory and customer standards
- Key positions
 - Strategic segments
 - High added-value products
- Strong marketing synergies
 - Reagent/consumable, reagent/instrument, software-service/instrument
 - Increased bundling



BIDMÉRIEUX

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R&D: Maintain Market Leadership

Through constant innovation, deliver added-value, quality and high-performance solutions to our Food and Pharmaceutical customers, while ensuring a profitable return for bioMérieux

Research and Development

From Inspiration and Invention to Innovation





"I think you should be more explicit here in step two"

Mission

Achievements and Outlook


From Inspiration and Invention to Innovation

Inspiration comes from scientists, engineers, marketing ...

- Dreaming with customers and partners
- Seeing what no one else has seen before

Entrepreneurial role of R&D

• Making sure that the creative idea becomes the right product for the customer

Mission



Valuable R&D Resources

A unique combination of assets



- A dedicated €12 million budget
- Leveraging on the enormous synergies with the clinical R&D budget and programs
- Strong network of partners



An International Network and Partnerships





R&D Focus

3 R&D objectives

- Accelerate bacterial growth detection
- Streamline workflow
- Increase relevance of results

→ Ultimate goal: integrated bacterial detection system



R&D Challenges

- Detect a single organism in a product
- Need to pass through a bacterial growth step
- Enumerate from one to one million organisms
- Deal with a wide variety of matrices: air, liquid and solid
- Concentrate bacteria and remove matrix interference



Food Safety: VIDAS[®] Innovation

- Won an innovation award for bringing automation to food safety testing
 - Enzyme Linked Fluorescent Assay (ELFA)
 - Single-dose unit test concept
- Launch of VIDAS[®] Listeria





1992

Mission

Achievements and Outlook

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VIDAS[®]: A Continuing Innovation Pipeline

A unique and fertile platform that readily integrates successive waves of innovation



Food Safety: Outlook for VIDAS[®]

Phage capture: a breakthrough technology

- Customer needs for food pathogen detection
 - Increased sensitivity and specificity
 - Shorter assay time, better workflow, higher throughput
- Phage
 - Co-evolved with bacteria for more than a billion years
 - Nature's mechanism for controlling bacteria even in the most hostile environments
- 2006: exclusive agreement with Profos
- VIDAS[®] continuous evolution



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Research and Development

Innovation in Identification: Phenotypic ID*



Mission

BIOMÉRIEUX

Achievements and Outlook

Research and Development



Innovation in Identification: Genotypic ID*



DiversiLab[®]

Complements phenotypic ID

 DNA fingerprint determines the source of contamination

2007

→ Key in the "farm to fork" concept

* Identification

Mission

Innovation in Biopharma



BIOMÉRIEUX



Biopharma Outlook

Customer needs

BIOMÉRIEUX

- Reducing time-to-result
- Detecting even a single organism
- Being provided with live and whole organisms for further studies
- Growth-based microbiology will answer these needs
- Outlook: accelerating microbial growth detection
 - Time to result: less than 12 hours vs 48 hours
 - bioMérieux-patented technology in polymer sensors
 - On the lookout for outside technologies
- Still at the very early invention stage

Mission

Biopharma Outlook

Customer needs

BIOMÉRIEUX

- Detecting even a single organism
- At-line testing
- Less than 2 hour cycle time
- Non growth-based detection
 - Amplifies nucleic acid
 - Enables at-line capability
- Outlook: defining technological blocks to be integrated
 - Extraction using BOOM[®] technology
 - Mechanical lysis using beads and high speed disruption
 - Real-time molecular detection
- Still at the very early inspiration stage



Mission

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Food Quality: TEMPO[®] Innovation

- Customer needs: labor savings and traceability
 - Automation of a highly manual test
 - 10 times more quality indicators performed than pathogen tests

4 years of brainstorming with customers, consultants and workflow engineers

Research and Development

BIOMÉRIEUX

From Inspiration and Invention to TEMPO[®] Innovation

The final card evolved from a family of prototypes Inspiration: VITEK[®] card Innovation: TEMPO[®] card ----Invention: Patent WO012674A1: card for counting and characterizing micro-organisms

Achievements and Outlook

Research and Development



From Inspiration and Invention to TEMPO[®] Innovation

From prototype fillers to an ergonomically designed work-station



Commercial launch: 2005



From Inspiration to Innovation

Achievements and Outlook



TEMPO[®] Innovation

Current menu: Total Viable Count, Total Coliforms, *E.coli, Enterobacteriaceae*

Instrument features

- Full traceability
- Standardisation
- Faster time-to-result
- Information management: interface with LIMS
- International validations: ISO 16140, AOAC (USA)
- Menu extension
 - Yeast and moulds
 - Staph.aureus
 - Lactic acid bacteria
 - Food safety testing: pathogen enumeration
 - Etc.

Mission



Food Quality Outlook

- Tomorrow's innovation
 - Integrate
 - Allow at-line testing





From Inspiration and Invention to Innovation

A unique combination of strengths

- An open-source innovation strategy coupled with a broad base of technologies and strong customer focus
- Providing a continuous pipeline of innovative products

Mission



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Controling of Microbiological Hazards In the Food Industry



Who are we?

Bledina

- Sales: €500 m
- Leader in the French baby food market in France (50% market share)
- Part of the Danone Group
- 3 plants in France and 12 subcontractors
- Exporting to 50 countries

Food Safety control / monitoring

- 500,000 tests / year
- 5 million samples
- 100,000 microbiological tests
- 2 laboratories
- 50% of tests outsourced

One Quality Director in charge of

- Food safety management
- Crisis management
- Quality assurance
- Ethics and sustainable development







Once upon a time....in 1990...Roquefort....Listeria was the enemy and nobody knew where it was coming from



Listeria?

Listeria?



...and VIDAS[®] came and helped us to save our crown jewel!





Monitoring

Microbiological risk in the food industry

- Low contamination levels (1/ton to 10000/g)
- Varied distribution in the food matrix
- Wide variety of food matrices and processes
- Influence of the industrial environment (processes and food matrices) on bacteria growth and survival: each bacteria → specific behavior in each process
- Selection of strains resistant to extreme environments (temperature, acidity, activity of water...)
- Dormancy is not unusual



Monitoring

The HACCP revolution

 The old concept: a posteriori checking My goal was to comply with official standards... and not to be caught by public authorities! Accordingly, I checked the compliance of final products with official standards, when they existed.
 "The less I check, the less I can find"

- New HACCP concept : a priori testing and monitoring "From farm to fork" My goal is to bring safe products to market. This means, I have to evaluate microbiological risk and find the best microbiological criteria corresponding to my process and its environment. Microbiological testing is a key tool for running a process,
 - just like a temperature or pressure sensor.





Monitoring

Scope of Risk Assessment:

Evaluate where the current production stands in terms of consumer health risk

Compare the current risk status to a Food Safety Objective (FSO): maximum level of contamination that is scientifically known to be safe for consumers





Sampling needed in Milk Powder to guarantee food safety









and product freshness)









Monitoring











- In-process control
- Environmental monitoring
- Controlling of cleaning efficiency
- Expertise
- Surveys and "quality on shelf" monitoring

- Small equipment, reagents and media for official or investigation tests
- Specific multitest equipment (eg: VIDAS[®] for Listeria)
- New generation of quick analysis equipment (TEMPO[®]) currently tested by our laboratories for validation





THE IDEAL TEST / EQUIPMENT WOULD

- Give a very quick answer (less than 24 hours)
- Enable multi-sample testing at the same time
- Be flexible enough for multi-parameter testing (different bacteria species)
- Be adaptable to different food matrices
- Be sensitive
- Be specific
- Need only small quantities of food matrix and reagent
- Be user friendly enough to be used by non experts line workers: this is the key making it indispensable
 - develops employee pride
 - develops employee responsibility and empowerment
 - integrates the cost into production costs (instead of quality costs)





Thanks for your attention!



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Strategy

An ambitious plan for Industrial Applications

- bioMérieux's market share:
 From 13% in 2006 to 30% target in 2012
- bioMérieux well positioned to maintain its leadership
 - Maintain current organic growth
 - Intensify business development
- bioMérieux's objective: lead market consolidation



Organic Growth

Constant innovation and improvement

Food

- Culture media
 - Enrichment
 - Chromogenic
- Food safety
 - Constant innovation on VIDAS[®]
 - New technologies
- Food quality: TEMPO[®] at the beginning of its lifecycle



Organic Growth

Constant innovation and improvement

Biopharma

- Product control: in-process with BacT/ALERT®
- Environmental control: 3P[™] range
- Identification
 - VITEK[®]2 Compact
 - DiversiLab[®]
 - Complete solution with steadily expanding menu

Outlook by Region

- BIOMÉRIEUX
 - North America: priority focus on growth
 - Food safety: growing consumer and manufacturer concern
 - Product focus on TEMPO[®], VIDAS[®], BacT/ALERT[®]
 - Boom in biotech companies
 - Europe Middle East Africa
 - Europe: reinforce leadership in every market
 - Central and Eastern Europe, Middle East and Africa: seize potential
 - Asia Pacific
 - Japan: #2 pharma market
 - India pharma industry surging
 - China and India: food safety becoming a national public health priority
 - Latin America: refocus and reinforce our efforts



External Growth

Key element in the growth strategy

Integration of products or "product companies" that leverage bioMérieux's worldwide network

• e.g.: BTF

Partnerships

- Distribution deal
- Co-development

Acquisitions



Potential Expansion of the Business Base

Extend our food safety and quality offering

- Contaminants
- Technologies: in-process and finished product testing
- Food viruses, shigatoxin, emerging pathogens

Biopharma

- In-process testing
- Zoonoses: from animal to human through food products
- Water: source of contamination



Conclusion

A unique player in an attractive market

- Public health is a growing concern
- Long-term market drivers
- Undisputed leadership
- bioMérieux's commitment

Industrial applications will be a major contributor to bioMérieux's growth



BIDMÉRIEUX



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Conclusion

Industrial Applications: a Great Business Franchise

- bioMérieux: #1 position ... with double digit growth
- A market growing faster than clinical ... for many years to come
- A fragmented market ... an opportunity for external growth
- EBIT %: slightly above Group's
- Contribution to consolidated sales

2002	2007*	2012 Target
11%	14%	>20%





Conclusion

- Leveraging synergies with the clinical business
 - R&D: VITEK[®], etc.
 - Manufacturing and G&A: economies of scale
 - Business Development: DiversiLab[®], etc.
- Backed by a premiere and growing worldwide network of subsidiaries
- And dedicated teams
 - R&D: TEMPO[®], etc.
 - Sales & Marketing
- Enabling focus and agility

Industrial applications: a critical business for bioMérieux