# Commerzbank Sector Conference

Transformation starts to yield first results

Matthias Zachert
Chief Financial Officer

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Merck KGaA

Darmstadt · Germany



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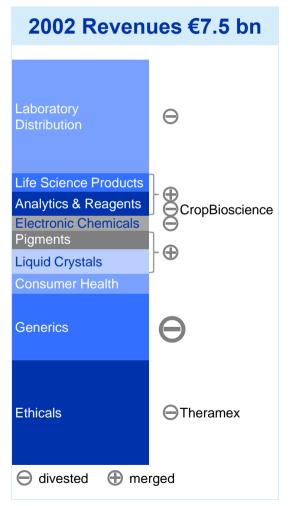


# **Agenda**

- 1. Strategy Update Business Portfolio Strengthened
- 2. Q2 Financial Update
- 3. FY 2012 Guidance



# We have added scale while strengthening the attractiveness of assets in our portfolio

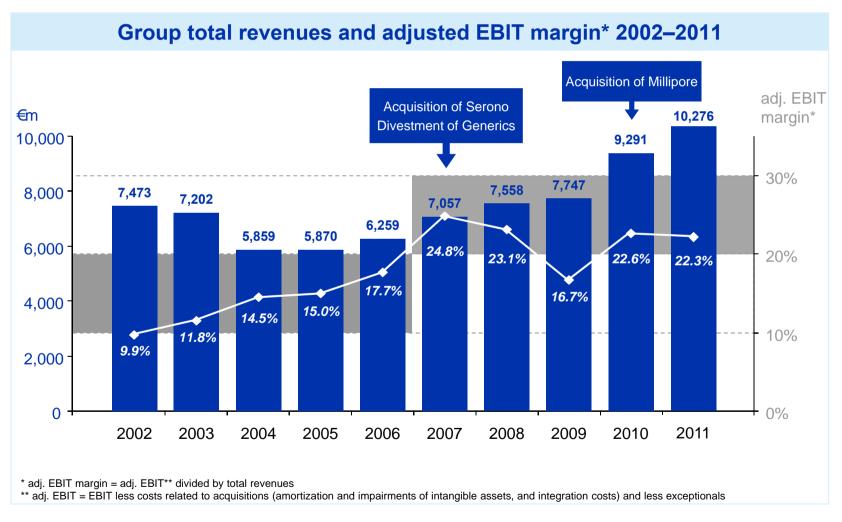








# Our stronger portfolio has enabled us to fundamentally improve our profitability





# Portfolio evolution improved our profitability structure, but further potential remains

Assessment of long-term financial performance relative to peers				
	Sales growth	Gross margin	SG&A	R&D productivity
Biopharmaceuticals				
Consumer Health				
Performance Materials				
Life Science				
	above peers	in-line w	rith peers	below peers



# We now focus on efficiency



- Exploit leading market positions
- Execute selected bolt-on acquisitions

#### **Portfolio**

- No portfolio divestments until 2014
- No transformational deals before 2014

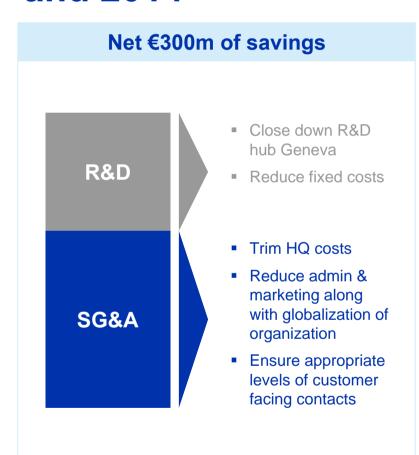
### Cultural change

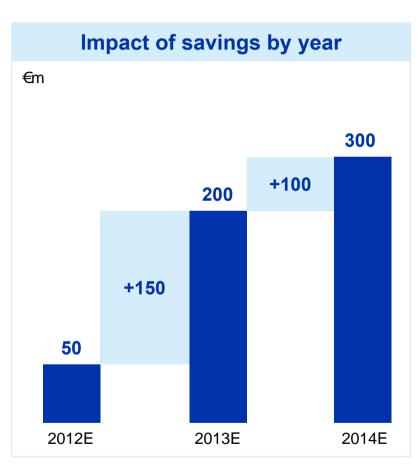
- Fill key positions with best managers
- Foster performance culture



### **Biopharmaceuticals Restructuring**

# Savings will predominantly ramp up in 2013 and 2014



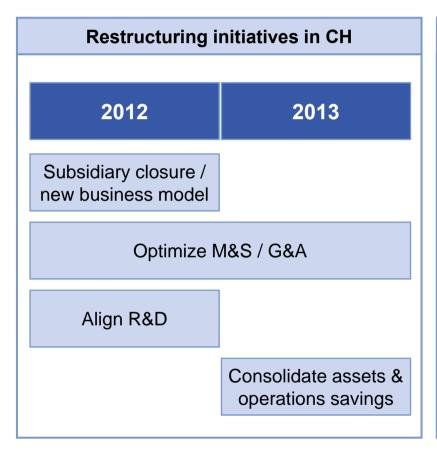


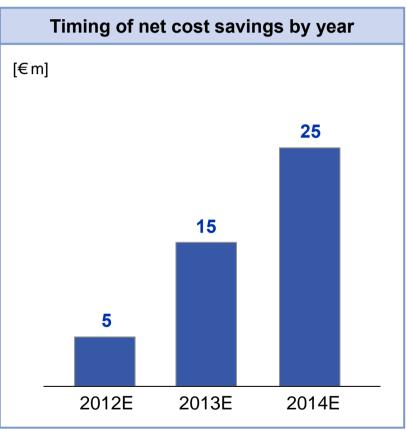




#### **Consumer Health**

# We expect to deliver € 25 million in net savings





We will incur ~€ 40 million in restructuring costs to achieve these savings

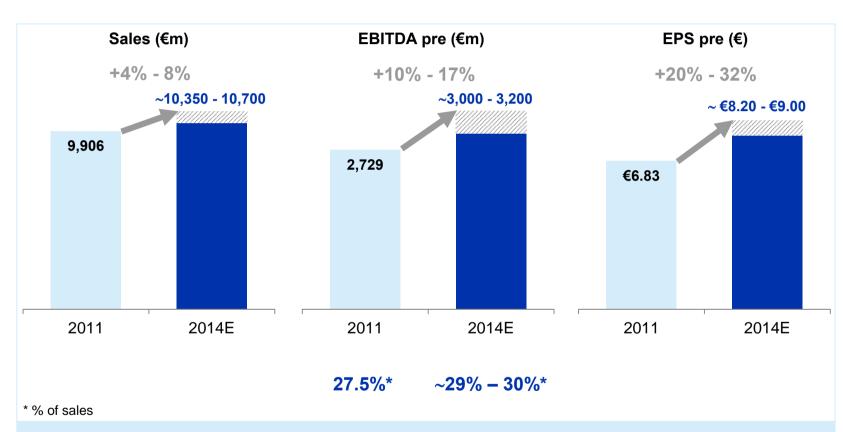


# Restructuring costs and net savings targets

Year	2012	E	201	3E	201	14E
[€m]	Net Cost Savings	Related charges	Net Cost Savings	Related charges	Net Cost Savings	Related charges
Biopharma- ceuticals	50	400	200	150	300	50
Consumer Health	5	30	15	10	25	-
Total	55	430	215	160	325	50



# We strive for realistic Group targets



### Assumptions:

- Unchanged economic environment
- FX: EUR/USD = 1.35; EUR/CHF = 1.20



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# Strong sales growth and cost management drive EBITDA pre improvement

[€ m]	Q2 2012	Q2 2011	Δ
Sales	2,743	2,470	11%
EBITDA pre Margin (% of sales)	<b>747</b> 27.2%	<b>655</b> 26.5%	14%
EPS pre [€]	1.92	1.60	20%
Operating cash flow	694	292	138%

[€ m]	Jun 2012	Dec 2011	Δ
Net financial debt	2,942	3,484	-16%
Employees	40,085	40,676	-1%

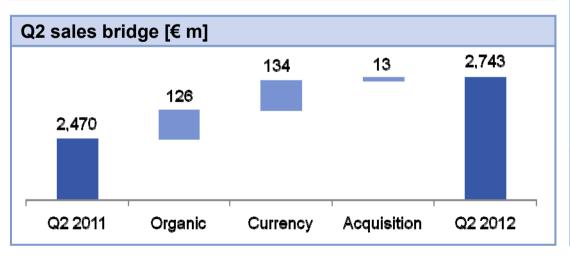
## Comments

- Sales growth of 11% reflects 5% organic growth, 5% benefit from changes in FX, 1% from acquisitions
- EBITDA pre margin increases by 70 basis points on higher sales and lower costs
- Strong operational performance drives EPS pre improvement
- Cash flow from operating activities benefits from improved efficiency of working capital
- Net financial debt lowered



# Strong top-line growth stemming from organic and FX contribution

Q2 yoy sales	Organic	Currency	Acq.	Total
Biopharmaceuticals	7%	4%	0%	11%
Consumer Health	1%	2%	0%	3%
Perf. Materials	4%	10%	0%	14%
Life Science	3%	6%	2%	11%
THE GROUP	5%	5%	1%	11%



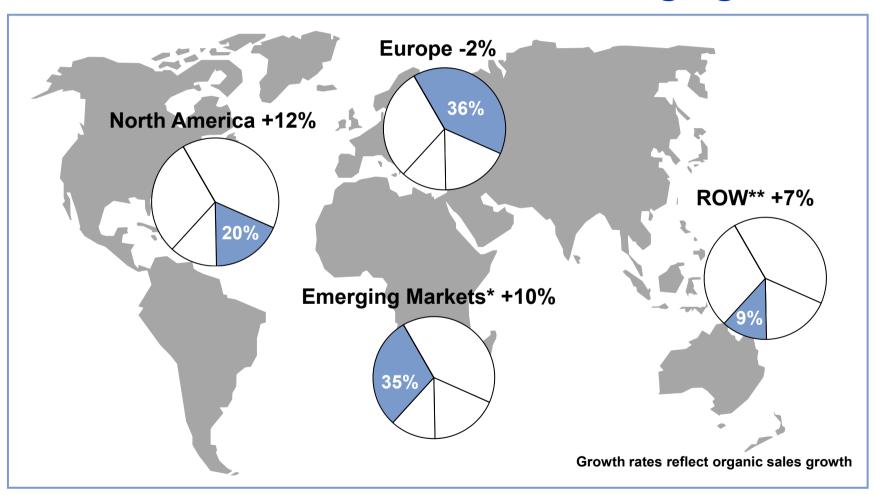
#### Q2 drivers

- Solid sales increase by 11%
- Main drivers for sales growth are organic (+5%) and FX growth (+5%)
- Biopharmaceuticals, especially Rebif and Gonal-f, and Performance Materials drive performance

Strong pricing and US dollar supports sales



# **Q2 2012: Biopharmaceuticals sales drive increase in North America and Emerging Markets**





### **Biopharmaceuticals**

# Higher Rebif and Fertility sales, tight cost control and efficiencies drive performance

[€ m]	Q2 2012	Q2 2011	Δ
Total Revenues Sales	<b>1,649</b> 1,546	<b>1,480</b> 1,395	<b>11%</b> 11%
Royalty and Comm. Income	102	84	21%
Gross Profit  Margin (% of sales)	<b>1,332</b> 86.1%	<b>1,188</b> <i>85.1%</i>	12%
Marketing & Selling	-359	-366	-2%
Royalty and Comm. Exp.	-148	-113	31%
Administration	-64	-64	-1%
Other Expenses / Income	-267	-218	22%
R&D	-326	-301	8%
Amortization	-165	-263	-37%
EBIT	4	-138	n.m.
Depreciation & Amortization	244	477	-49%
One-time items	192	27	>100%
EBITDA pre Margin (% of sales)	<b>439</b> 28.4%	<b>366</b> 26.3%	20%

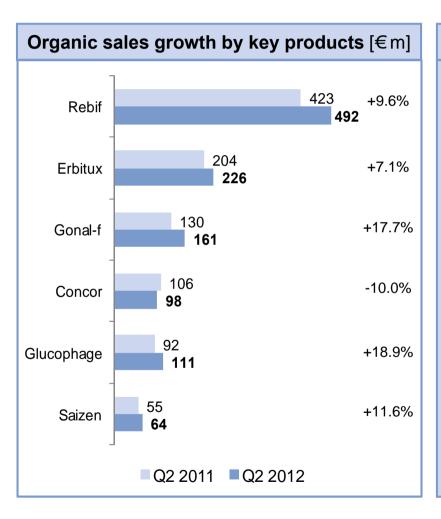
#### Comments

- Sales growth of 11% reflects
   7% organic growth and 4%
   benefit from FX
- Mainly driven by Rebif (pricing US) and the Fertility portfolio (growing in all markets)
- Royalty income benefiting from Humira and FX
- Other expenses include restructuring costs (€190 m)
- R&D contains charges for EXPAND and PETACC-8, but also some early costs for new pipeline projects
- Amortization in Q2 2011 affected by one-time items
- Strong increase in EBITDA pre reflects strong sales and operational improvement



### **Biopharmaceuticals**

# Healthy growth across nearly all brands



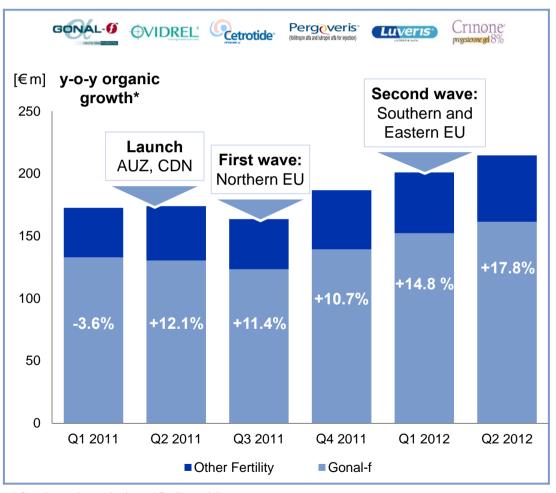
#### **Comments**

- Rebif: Strong performance in US due to price increases and stabilizing volumes; sales in Europe flat due to pricing pressures off-set by volume increase
- Erbitux: European sales weaker due to lower deliveries into Southern EU, Emerging Markets performing strongly
- Gonal-f: Successful roll-out of family of pens delivers high-single to double-digit sales growth across all regions
- Concor: Sales growth in Emerging Markets could not offset declines in Europe and other Western countries due to mandatory price decreases
- Glucophage: Strong performance in Latin America as incidence of type 2 diabetes is rising; continues to be the first-line drug of choice
- Saizen: Double-digit organic growth in Emerging Markets and US more than off-set stagnating sales in Europe due to pricing pressures



### **Biopharmaceuticals - Fertility**

# Successful roll-out of family of pens supports double-digit organic sales growth in Fertility



#### **Comments**

- Global sales of €215 m in Q2 2012
- Competitive differentiation through common delivery platform for all gonadotropins in the Fertility Portfolio
- Now launched in 30 countries
  - Europe
  - Australia
  - Canada
  - India (June 2012)
- Further Emerging Markets currently under preparation
  - Roll-out during 2012/ 2013
- In the US, sales are driven by price increases and changed distribution model



<sup>\*</sup> Organic growth rates for the total Fertility portfolio



#### **Consumer Health**

# Advancing toward improved performance

[€ m]	Q2 2012	Q2 2011	Δ
Total Revenues Sales Royalty and Comm. Income	<b>122</b> 121 1	<b>118</b> 118 1	<b>3%</b> 3% -26%
Gross Profit  Margin (% of sales)	<b>83</b> 68.9%	<b>80</b> 67.7%	5%
Marketing & Selling	-54	-57	-4%
Royalty and Comm. Exp.	0	0	n.m.
Administration	-6	-6	4%
Other Expenses / Income	-8	0	>100%
R&D	-5	-6	-22%
Amortization	-1	-1	12%
EBIT	10	10	1%
Depreciation & Amortization	3	3	-15%
One-time items	5	0	n.m.
EBITDA pre Margin (% of sales)	<b>18</b> 14.7%	<b>13</b> 11.0%	37%

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- Sales increase 1% organically, 2% benefit from FX
  - Strong sales growth in Emerging markets (particular Everyday Health) compensates for weak performance in Europe
- Marketing & Selling savings due to lower sales promotion and reduced sales force costs
- Other expenses include restructuring costs (€5 m)
- Reported EBIT flat despite restructuring costs
- EBITDA pre improving mainly due to better resource allocation and first efficiencies



#### **Performance Materials**

# Healthy volumes in liquid crystals and positive currency benefit contribute to a sound quarter

[€ m]	Q2 2012	Q2 2011	Δ
Total Revenues Sales	<b>427</b> 426	<b>373</b> 373	<b>14%</b> 14%
Royalty and Comm. Income	1	0	>100%
Gross Profit  Margin (% of sales)	<b>243</b> 57.1%	<b>199</b> 53.3%	22%
Marketing & Selling	-35	-34	6%
Royalty and Comm. Exp.	0	-1	-78%
Administration	-9	-8	6%
Other Expenses / Income	11	-10	n.m.
R&D	-32	-30	8%
Amortization	0	-9	-95%
EBIT	177	107	66%
Depreciation & Amortization	27	34	-21%
One-time items	-15	38	n.m.
EBITDA pre Margin (% of sales)	<b>190</b> <i>44.5%</i>	<b>179</b> <i>4</i> 8.0%	6%

#### Comments

- Sales grow 4% organically, and benefit from continued strong demand for larger televisions
  - 10% benefit from FX
- LC outlook: Continued strong volumes in Q3 and a softening of sales in Q4 expected
- Gross profit increase due to negative effect of one-time items in Q2 2011 (€39 m)
- SG&A lowered due to divestiture gain; discretionary spending well-managed
- EBIT includes one-time capital gain of €16 m
- EBITDA pre up due to sound volumes and good cost control



#### **Life Science**

# Continued delivery of profitable growth, while investing for the future

[€ m]	Q2 2012	Q2 2011	Δ
Total Revenues	655	584	12%
Sales Royalty and Comm. Income	649 6	583 1	11% >100%
		•	
Gross Profit  Margin (% of sales)	<b>385</b> 59.3%	<b>330</b> 56.6%	17%
Marketing & Selling	-169	-147	15%
Royalty and Comm. Exp.	-3	-4	-12%
Administration	-30	-25	20%
Other Expenses / Income	-25	-29	-15%
R&D	-42	-32	32%
Amortization	-51	-46	11%
EBIT	65	48	35%
Depreciation & Amortization	76	71	7%
One-time items	7	10	-29%
EBITDA pre Margin (% of sales)	<b>148</b> 22.8%	<b>129</b> 22.1%	15%

#### Comments

- Sales growth of 11% (3% organic growth, 2% acquisition effect, 6% FX)
  - All business units contribute
- Strong performance in Emerging Markets offsets moderate US performance and soft economic environment in Southern Europe
- Marketing and Selling expenses driven by launch costs for new products and
   €7 m impact from FX changes
- Continued investment into R&D, predominantly in Process Solutions
  - Acquisitions and FX also contributing
- EBITDA pre shows sound profitable growth



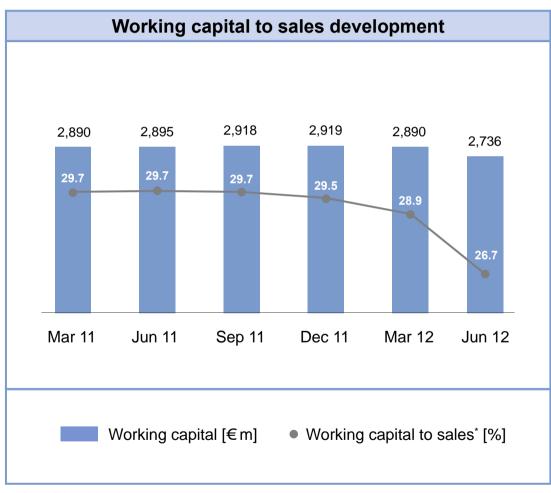
# Free cash flow benefits from higher profitability, improving working capital, and lower CapEx

[€ m]	Q2 2012	Q2 2011	Δ
Profit after tax	-61	-87	26
Depreciation & Amortization	352	587	-235
Changes in working capital	233	-12	245
Changes in provisions	406	-24	430
Changes in other assets / liab.	-219	-142	-77
Other operating activities	-17	-30	13
Operating cash flow	694	292	402
Capital expenditures	-66	-86	20
Others	-2	47	-49
Free cash flow	626	253	372

Comments
<ul> <li>D&amp;A reduced due to lower one-time items</li> <li>Q2 2011: impairment LSB, write-off safinamide and others</li> </ul>
<ul> <li>Healthy inflow from changes in working capital</li> <li>Better management of inventories and receivables</li> </ul>
<ul> <li>Provisions increased mainly due to restructuring provisions</li> </ul>



# Better working capital management shows results



#### **Comments**

- Gradual improvement in working capital to sales
- Division leaders now incentivized on working capital ratios

Better working capital control mechanisms established

<sup>\*</sup> Sales LTM, portfolio adjusted



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## **Guidance FY 2012**

#### **Assumptions:**

- Current economic environment unchanged
- Reported numbers will still be burdened by one-time costs, while the majority of costs have been taken in Q2 already
- Underlying tax rate around 25-26%
- H2 2012: US\$ = 1.25; CHF = 1.20

Divisional EBITDA pre 2012E [€m]		
Biopharmaceuticals	1,750 - 1,800	
Consumer Health	60 - 65	
Performance Materials	660 - 680	
Life Science	580 - 600	
Corporate	-200	

The Group [€bn]	
Total revenues	~ 10.7
EBITDA pre	
(incl. €55 m efficiency savings)	2.85 - 2.95



# **APPENDIX**



# Strong sales growth and cost management drive EBITDA pre improvement

[€ m]	Q2 2012	Q2 2011	Δ
Total Revenues	2,852	2,555	12%
Sales	2,743	2,470	11%
Royalty income	109	86	27%
Gross Profit	2,044	1,796	14%
Margin (% of sales)	74.5%	72.7%	
Marketing & Selling	-617	-604	2%
Royalty and Comm. Exp.	-152	-118	28%
Administration	-143	-133	7%
Other Expenses / Income	-489	-278	76%
R&D	-404	-368	10%
Amortization	-217	-319	-32%
EBIT	23	-24	n.m.
Depreciation & Amortization	352	587	-40%
One-time items	372	92	>100%
EBITDA pre	747	655	14%
Margin (% of sales)	27.2%	26.5%	

#### Comments

- Sales growth of 11% reflects
   5% organic growth, 5% benefit from changes in FX, 1% from acquisitions
- Increase in royalty income driven mainly by FX
- Gross profit improvement due to increased sales and FX
- Royalty expenses driven by Rebif sales in the US and FX
- Discretionary Marketing & Selling expenses tightly managed
- EBITDA lowered by one-time charges; EBITDA pre margin increases by 70 basis points on higher sales and lower costs



## More than €5 billion of sales in H1 2012

[€ m]	H1 2012	H1 2011	Δ
Total Revenues Sales	<b>5,497</b> 5,307	<b>5,119</b> 4,947	<b>7%</b> 7%
Royalty income	190	172	11%
Gross Profit  Margin (% of sales)	<b>3,941</b> 74.3%	<b>3,720</b> <i>7</i> 5.2%	6%
Marketing & Selling	-1,204	-1,194	1%
Royalty and Comm. Exp.	-272	-230	18%
Administration	-279	-264	6%
Other Expenses / Income	-633	-215	>100%
R&D	-786	-747	5%
Amortization	-434	-567	-24%
EBIT	334	505	-34%
Depreciation & Amortization	695	940	-26%
One-time items	393	-54	>100%
EBITDA pre Margin (% of sales)	<b>1,421</b> 26.8%	<b>1,391</b> 28.1%	2%



# One-time effects influence year-over-year profitability comparisons

[€ m]	H1 2012	H1 2011	Δ
EBIT	334	505	-34%
Financial Result	-136	-147	-7%
Profit before Taxes	198	358	-45%
Income Tax  Tax Rate (%)	-83 <i>4</i> 2.1%	-103 28.9%	-19%
Net Income pre	779	761	2%
EPS pre (€)	3.58	3.50	2%

Comments
<ul> <li>Reported EBIT H1 2012 adjusted by €387 m due to restructuring related charges</li> </ul>
<ul> <li>Q1 2011 included Crop BioScience gain</li> </ul>
<ul> <li>Financial result benefits from lower interest payments due to bond repayment (March 2012) and CTA</li> </ul>
<ul><li>Net income pre growing 2%</li></ul>
<ul> <li>Significant top-line FX</li> <li>benefit in Q2 2012</li> <li>Strong Q1 2011</li> <li>profitability comparison</li> </ul>
profitability comparison



# **Balance Sheet: A strong financial backbone**

[€ m]	Jun 30 2012	Dec 31 2011	Δ
Total Assets	21,896	22,122	-1%
Equity	10,534	10,494	0%
Cash & other liquid funds	2,225	2,055	8%
Intangible Assets	11,430	11,764	-3%
Financial Debt	5,167	5,539	-7%
Pension Provisions	1,173	1,140	3%
Net Financial Debt	2,942	3,484	-16%

#### Comments

- Cash & other liquid funds increased due to inflow from operating business
- Partly off-set by bond repayment of €500 m in March 2012
- Strong debt deleveraging in the first half of 2012



# Net cash flow from operating activities doubled in H1 2012 vs. H1 2011

[€ m]	H1 2012	H1 2011	Δ
Profit after tax	115	255	-140
Depreciation & Amortization	695	940	-245
Changes in working capital	222	-215	437
Changes in provisions	430	5	425
Changes in other assets / liab.	-271	-210	-61
Other operating activities	-24	-197	172
Net cash flow operating	1,166	577	589
Capital expenditures	-117	-161	44
Others	-3	482	-486
Free cash flow	1,045	899	147

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- Significant progress made in working capital management
- Provisions increased due to restructuring
- Cash flow from operating activities doubled
- Free cash flow in H1 2011 includes €471 m gain on divestment of Théramex and Crop BioScience



# **Q2 2012 reconciliation to adjusted results**

[€m]	Q2 2012	Q2 2011
EBIT	23	-24
Depreciation & Amortization Regular depreciation & amortization Amortization of purchased intangible assets Impairments	352 114 216 23	<b>587</b> 109 210 268
EBITDA	375	563
One-time items M&A costs Restructuring costs Integration/IT related costs Costs from discontinuing businesses Other one-time costs	372 0 355 7 9 0	92 0 0 9 11 72
EBITDA pre	747	655
Regular depreciation & amortization Financial result Profit before tax pre	-114 -70 563	-109 -76 470
EPS pre (in €)	1.92	1.60



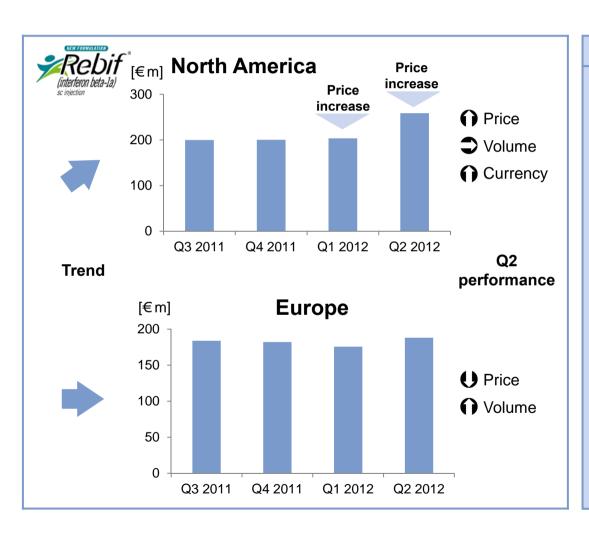
# 2012 YTD Reconciliation to adjusted results

[€m]	H1 2012	H1 2011
EBIT	334	505
Depreciation & Amortization Regular depreciation & amortization Amortization of purchased intangible assets Impairments	695 233 431 31	<b>940</b> 216 406 319
EBITDA	1,028	1,445
One-time items M&A costs Restructuring costs Integration/IT related costs Costs from discontinuing businesses Other one-time costs	393 0 366 17 10 0	- <b>54</b> 0 0 21 -147 72
EBITDA pre	1,421	1,391
Regular depreciation & amortization Financial result Profit before tax pre	-233 -136 1,052	-216 -147 1,029
EPS pre (in €)	3.58	3.50



### **Biopharmaceuticals - Rebif**

## **Growth in the United States drives overall sales**



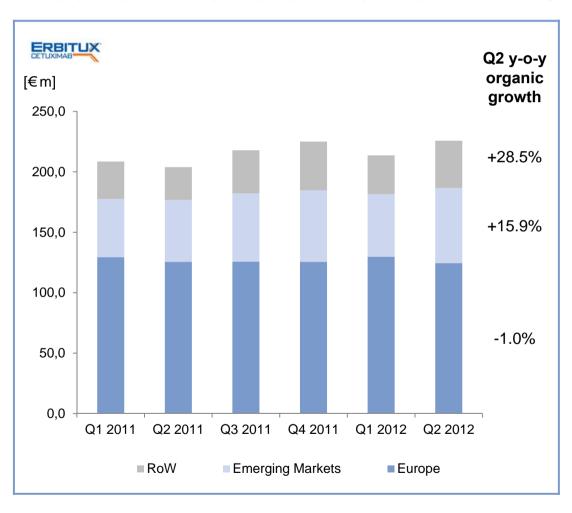
#### **Comments**

- Global sales of €492 m in Q2 2012
- Strong performance in US
  - Market shares stabilizing
- Sales in Europe flat (-0.4% organic) due to pricing pressures off-set by volume increase
- Growth 2012E: ~3% organic sales growth



### **Biopharmaceuticals - Erbitux**

# Emerging Markets strong, European sales weaker due to scale-down in Southern EU



#### **Comments**

- Global sales of €226 m in Q2 2012
- Patient shares above 50% in KRAS wt mCRC and SCCHN in key EU markets
- Growth 2012E: 1 4 % organic growth
- Development of Erbitux in gastric cancer and adjuvant colon cancer will not be continued
- Ongoing discussions with EMA regarding NSCLC filing
- Filing for approval of Erbitux in head and neck cancer accepted for priority review in Japan



### **Biopharmaceuticals**

## **Pipeline**

# Phase I

- ATX-MS-1467 Immune tolerizing agent Multiple sclerosis
- Extended-release formulation of interferon beta-1a Multiple sclerosis
- Plovamer acetate (PI –2301)
   Second-generation peptide copolymer
   Multiple sclerosis
- Fc-IFN beta Long-acting interferon Multiple sclerosis
- Pimasertib

MEK inhibitor 1 Solid tumors and hematological malignancies

- Novel combination of pimasertib with PI3K inhibitor¹
   Solid tumors
- MEK inhibitor 2
   Solid tumors

Solid tumors

- C-Met kinase inhibitor Solid tumors
- NHS-IL12<sup>2</sup>
   Cancer immunotherapy
- TH-302
- Hypoxia targeted alkylating agent

Hematologic malignancies and combination trials in solid tumors

Sprifermin
 Fibroblast Growth Factor 18
 Osteoarthritis

#### Phase II

ONO – 4641
 Oral S1P receptor modulator
 Multiple sclerosis

- Cilengitide Integrin inhibitor
   Non-small cell lung cancer
- DI17E6

Anti-integrin mAb
Metastatic colorectal cancer

- DI17E6
  - Anti-integrin mAb

Metastatic castration-resistant prostate cancer

■ TH-302

Hypoxia targeted alkylating agent Pancreatic cancer

- Pimasertib
- **MEK** inhibitor 1

Pancreatic Cancer

- Sprifermin
- Fibroblast Growth Factor 18 Cartilage injury repair
- Atacicept anti-Blys/anti-APRIL fusion protein
   Systemic lupus erythematosus

#### Phase III

- Cilengitide
   Integrin inhibitor
   Glioblastoma
- L-BLP25 (Stimuvax ®)
   MUC1 antigen-specific cancer immunotherapy
   Non-small cell lung cancer
- TH-302

Hypoxia targeted alkylating agent Soft tissue sarcoma

Kuvan ®

(Sapropterin dihydrochloride)
PKU in pediatric patients < 4years<sup>3</sup>

#### In registration

- Erbitux ® (cetuximab)Anti-EGFR mAb
- Non-small cell lung cancer (EMA)

   Erbitux ® (cetuximab)
- Anti-EGFR mAb
  Head and neck cancer (Japan)
- Erbitux ® (cetuximab) Anti-EGFR mAb

Head and neck cancer (China)

Neurodegenerative Diseases
Oncology
Rheumatology
Endocrinology

As of August 14, 2012

- <sup>1</sup> Combined with PI3K/mTOR inhibitor of Sanofi (SAR245409), conducted under the responsibility of Merck KGaA, Darmstadt, Germany
- <sup>2</sup> Sponsored by the National Cancer Institute (NCI), USA
- <sup>3</sup> Phase IIIb post-approval request by EMA



### **Biopharmaceuticals**

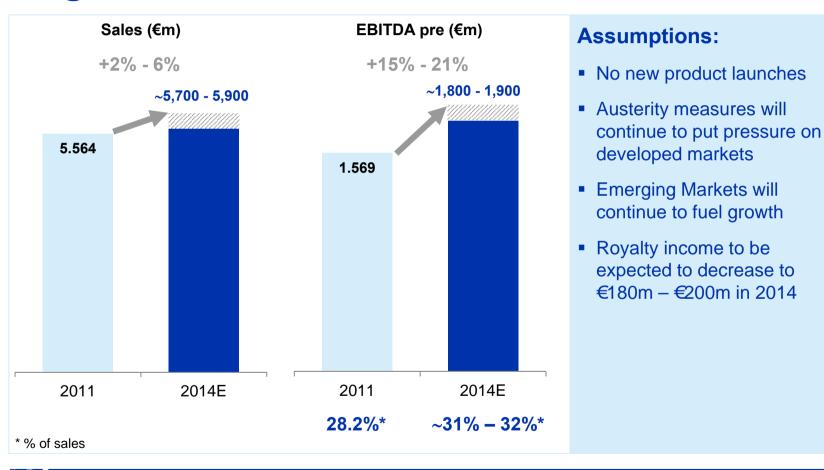
# **Expected timelines of current pipeline projects**

Project	Indication	Trial	Datapoint	Timeline
Oncology				
Stimuvax	NSCLC	START	PIII final	Q1 2013
Cilgengitide	Glioblastoma	CENTRIC	PIII final	H1 2013
TH-302	Pancreatic cancer		PIII decision	H2 2012
Neurology				
ONO-4641	Multiple Sclerosis		PIII decision	2013
Rheumatology				
Atacicept	SLE	APRIL	PII final	H2 2012



#### **Pharma**

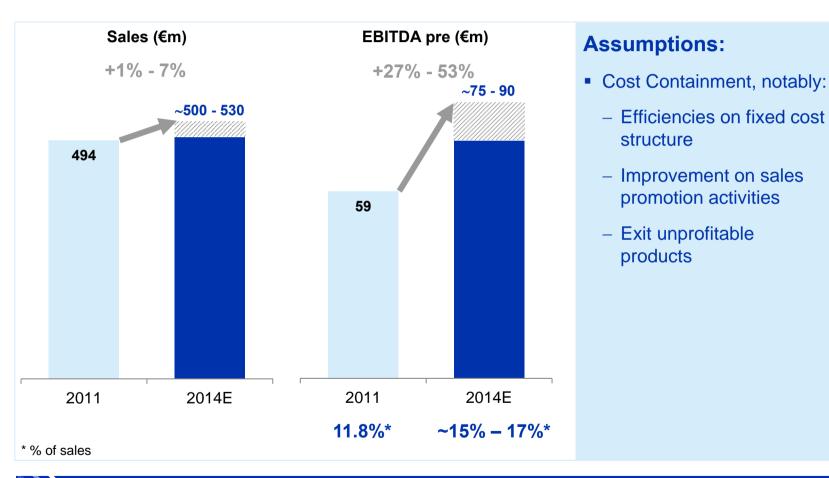
# Biopharmaceuticals mid-term financial targets





#### **Pharma**

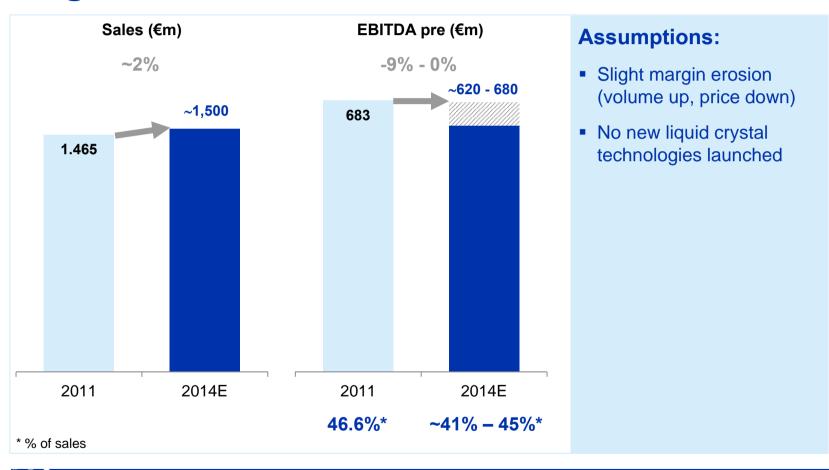
# **Consumer Health mid-term financial targets**





### **Chemicals**

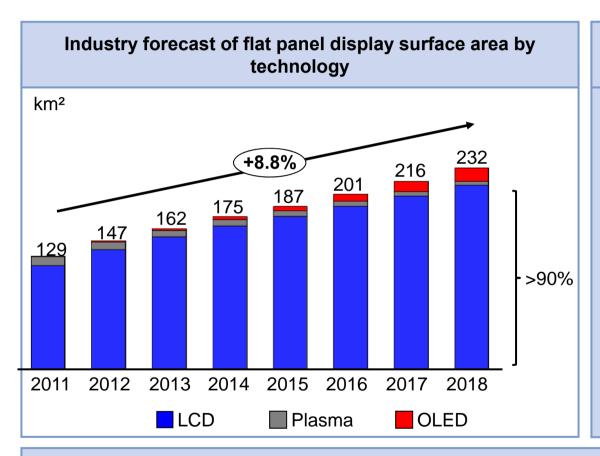
# Performance Materials mid-term financial targets



#### **Performance Materials**



# The Overall Display Market is Expected to Grow



### **Key Messages**

- Flat panel display surface area expected to grow high single digit for the next years
- Share of LCD expected to remain dominating with >90% until 2018
- Plasma expected to further lose market share

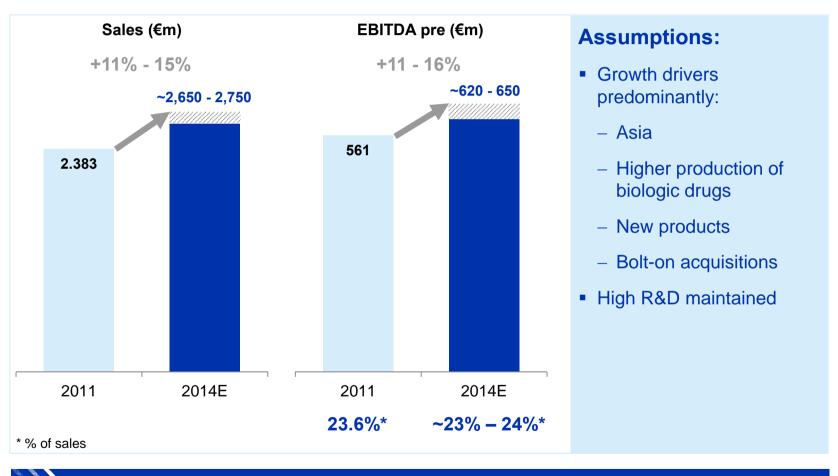
LCD expected to keep market share of >90% until 2018

Source: DisplaySearch, Quarterly Worldwide Flat Panel Forecast Report Q4 2011



#### **Chemicals**

# Life Science mid-term financial targets





#### **Life Science**

### Leading positions in growing life sciences markets

### **Industry attractiveness**

- Life science tools market projected to grow 4-7% annually
- Volumes of biologic drugs will continue to grow rapidly
- Growing complexity of science is creating a strong market for laboratory tools providers: systems biology
- High margin / moderate risk

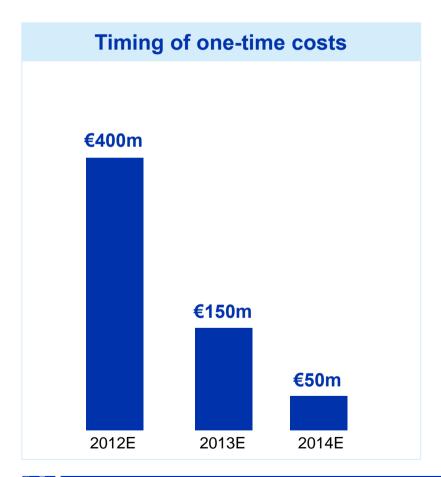
### Strength of our position

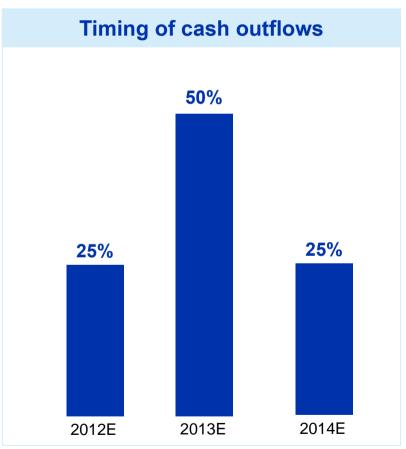
- Top 3 supplier in the industry
- #1 market share for consumables used to manufacture biologic drugs
- 50 year track record of quality and innovation
- Global reach





# We will incur ~€600m in restructuring costs





Majority of one-time costs are cash-related expenses



### **The Group**

### Ensure effective cash allocation 2012/2013

### **Deleveraging**

- 03/2012: €500m bond (interest rate = 2.125%)
- 12/2012: €500m bond (interest rate = 3.75%)
- 09/2013: €750m bond (interest rate = 4.875%)

### Restructuring

■ One-time costs 2012-2014: ~€600m

### **External Growth**

- Bolt-on acquisitions 2012/2013
- In-licensing deals in pharma
- No large, transformational transactions

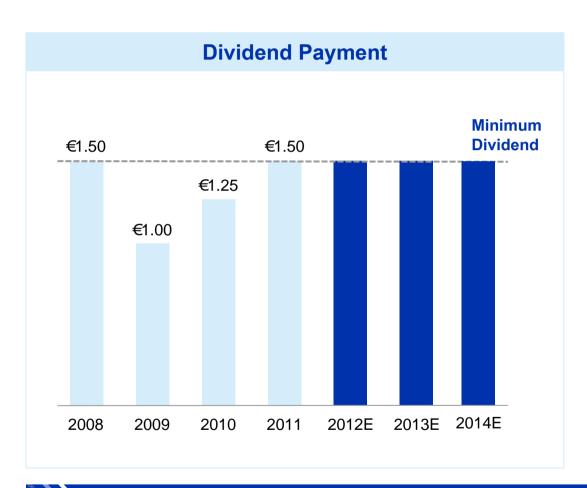
### Dividend

 Stable dividend payment: 35-40% payout ratio (on adjusted net income, i.e. before one-time costs)



### **The Group**

## Reliable dividend policy



### **Dividend Policy:**

- 2012 2014: Target payout ratio: 35-40% of net income adjusted for onetime items (i.e. transformation costs)
- Stable dividend will be assured over next three years despite one-time costs





### **The Group**

**Joshua Young** 

Head of Investor Relations

+49 6151 72-3706

**Dr. Thomas Kornek** 

+49 6151 72-7434

**Claudia Nickolaus** 

+49 6151 72-2584

Eva Schaefer-Jansen

+49 6151 72-5642

Merck KGaA, Darmstadt, Germany

**Investor Relations** 

Frankfurter Str. 250

64293 Darmstadt

Germany

**Eva Sterzel** 

+49 6151 72-5355

**Constantin Fest** 

+49 6151 72-5271

**Alessandra Heinz** 

**Assistant Investor Relations** 

+49 6151 72-3321

Silke Meyer

**Assistant Investor Relations** 

+49 6151 72-3744

Fax: +49 6151 72-913321

investor.relations@emdgroup.com

www.emdgroup.com