

## Q2 2021 Financial Summary for Investors and Analysts Strong quarter with double-digit growth driven by BIG3

- **Healthcare:** 88% organic growth in Fertility; Oncology up nearly 50% with Bavencio® nearly tripling in size, Mavenclad® more than doubling & resuming sequential growth; dynamic market beginning to recover
- Life Science: Record organic growth; double-digit growth in all three business sectors; Process Solutions still the main driver despite comparison base including initial COVID-19 demand; Research Solutions up 31% against soft comps
- Electronics: Strong performance of Semiconductor Solutions and strong recovery of Surface Solutions drive double digit org. sales growth, while ongoing LC decline nearly offset by strong OLED

• **Q2** organic sales: +23.0%

• Q2 organic EBITDA pre: +52.0%

• Guidance:

Net sales: €18.8 - 19.7 bn EBITDA pre: €5.6 - 6.0bn EPS pre: €7.80 - 8.50

Net financial debt to EBITDA pre ratio at 1.7 on June 30, 2021

# Overview Financials Q2 2021 Overview

- EBITDA pre & margin increase, driven by operating leverage in Life Science and Healthcare vs. LY COVID-19 burden
- EPS pre increase driven by EBIT pre, better financial result and lower tax rate vs. particularly soft Q2 2020
- Operating cash flow up 77% driven by higher profit after tax in all three sectors
- Ongoing reduction of net financial debt

#### **Q2 2021 Cash Flow Statement**

- Operating cash flow up €386 m driven primarily by higher profit after tax in all three sectors, particularly Life Science
- Delta in D&A driven by COVID-19 related impairments in Q2 2020
- Provisions up, driven by litigation accruals, pension fluctuations, and LTIP\*
- Higher outflow from working capital but growing considerably slower than sales
- Higher investments, particularly CAPEX on PPE in line with ongoing capacity expansion
- Financing cash flow explained by net repayment of bonds, bank liabilities and commercial papers

<sup>\*</sup> Long Term Incentive Plan



#### Q2 2021 Balance Sheet

- Higher cash level driven by strong operating cash flow
- Higher receivables and inventories growing slower than sales
- Increase in intangible assets primarily driven by FX and investments in pharmaceutical compounds (Xevinapant)
- Reduction in provisions for employee benefits driven by actuarial gains from higher interest rates
- Strong profit after tax and actuarial gains drive retained earnings, supported by FX driven net assets appreciation; equity ratio of 45%

#### Q2 2021 Business Overview

#### Healthcare

- Strong Fertility recovery & Bavencio® performance; Mavenclad® returns to sequential growth as dynamic market picks up
- Net sales deviation YoY: organic +23.6%, FX -4.3%, portfolio 0.0%
- EBITDA pre deviation YoY: organic +70.2%, FX -14.9%, portfolio 0.0%
- Mavenclad<sup>®</sup> grows +102 % organically to €157 m, amid first signs of recovery of dynamic market and low comps; Rebif<sup>®</sup> declines -9%
- Oncology up +49%; Bavencio<sup>®</sup> grows +206% fueled by UC 1L launch in key markets; Erbitux<sup>®</sup> up +36% supported by Eli Lilly supply agreement
- Base business up +15%, driven primarily by strong Fertility recovery (+88% org.); CM&E +1% org. Glucophage VBP¹ impact compensated for by Endocrinology
- Lower absolute M&S vs. Q2 2020 with higher level of face-to-face activities amid progressing adaptation to pandemic situation
- Higher absolute R&D driven largely by ramp up of Evobrutinib and Xevinapant development activities; lower R&D as % of sales
- EBITDA pre and margin increasing with operating leverage, further supported by temporary Eli Lilly supply agreement in the U.S.

## **Life Science**

- Strong core business and COVID-19 demand fuel record growth, mainly driven by Process and Research Solutions
- Net sales deviation YoY: organic +28.2%, FX -5.0%, portfolio 0.0%
- EBITDA pre deviation YoY: organic +49.5%, FX -3.7%, portfolio -0.1%
- Process Solutions: grows +34% organically, supported primarily by bioprocessing demand for COVID-19 projects; comparable base now starts including COVID-19 business

<sup>&</sup>lt;sup>1</sup>Volume Based Procurement



- Research Solutions: grows +31% organically against Q2 2020 COVID-19 dip, driven by recovery in base business and COVID-19 opportunities, mainly in diagnostics and pharma
- Applied Solutions: grows (+13% org.) against softest quarter of 2020
- Declining M&S in % of sales from 27% to 23% due to strong top line leverage, slightly higher in absolute terms
- Higher R&D in absolute terms with continued focused investments in high growth & emerging segments
- Business performance, operational leverage & favorable mix continue to drive strong EBITDA pre and margin expansion

#### **Electronics**

- Strong performance in Semi, recovery in Surface, and stabilizing Display Solutions drive double-digit organic sales growth
- Net sales deviation YoY: organic +10.3%, FX -5.0%, portfolio 0.0%
- EBITDA pre deviation YoY: organic +14.3%, FX -6.0%, portfolio 0.0%
- Semiconductor Solutions: record quarter in terms of sales; 12% organic growth across all businesses with Semi Materials growing even faster than strong DS&S
- Display Solutions: down -1% organically as LC decline was nearly fully offset by growth in remaining portfolio primarily strong OLED
- Surface Solutions: delivers 41% organic growth over pandemic-impacted Q2 2020; visible recovery across all end markets
- M&S up 4%, largely driven by higher logistic costs, while admin and R&D are declining
- All P&L lines continue to reflect diligent cost management amid Bright Future transformation and Versum integration synergies
- EBITDA pre (+14% org.) continues to exceed sales growth, but burdened by -6% FX headwinds

#### 2021 guidance

## Group:

Net sales:

Organic: +12% to +14% YoY

FX: -2% to -4% YoY

~€18.8 – 19.7 bn

■ EBITDA pre:

Organic: +21% to +25% YoY (excl Biogen<sup>1</sup>)

FX: -2% to -4% YoY

~€5.6 – 6.0 bn

EPS pre

~€7.80 **–** 8.50

<sup>&</sup>lt;sup>1</sup> Q3 20 Reversal of the provisions for the patent dispute proceedings for Rebif in the amount of ~€365m; Guidance incl. Biogen: organic: +12% to +17%



## 2021 business sector guidance1:

#### Healthcare

- Net sales:
  - o Organic: +7% to +10%
  - o Mainly driven by Mavenclad®, Bavencio® and recovery of Fertility
  - o Base business organically around stable
- EBITDA pre:
  - o Organic: +15% to +18% YoY (excl Biogen<sup>2</sup>)
  - o FX: -5% to -7% YoY
  - o ~€2,050 2,150 m

#### Life Science

- Net sales:
  - Organic: +18% to +21%
  - Process Solutions as main growth driver
- EBITDA pre:
  - o Organic: +30% to +34% YoY
  - o FX: -1% to -3% YoY
  - o ~€3,050 3,200 m

#### **Electronics**

- Net sales:
  - Organic: +6% to +8%
  - o Strong Semiconductor Solutions contribution
  - OLED with high growth
- EBITDA pre:
  - Organic: +9% to +12% YoY
  - o FX: -2% to -4% YoY
  - o ~€1,070 1,130 m

¹Business Sector guidances are only support to the Group guidance and do not have to add up ²Q3 20 Reversal of the provisions for the patent dispute proceedings for Rebif in the amount of ~€365m; Guidance including Biogen – organic: -1% to -4%

## Additional financial guidance for 2021

Corporate & Other EBITDA pre
 Interest result
 Effective tax rate
 Capex on PPE
 Capex on PPE
 ~ €-450 to -500 m
 ~ €-220 to -245 m
 ~ 22 % to 24%
 ~ €1.4 bn - 1.5 bn

Hedging / USD assumption FY 2021 hedge ratio ~ 70%

at EUR/USD ~1.17

2021 Ø EUR/USD assumption ~1.19 to 1.23



## Group Q2 2021

	Group		Healthcare		Life Science		Electronics		Corporate/Others						
€m	Q2 2020	Q2 2021	% YoY	Q2 2020	Q2 2021	% YoY	Q2 2020	Q2 2021	% YoY	Q2 2020	Q2 2021	% YoY	Q2 2020	Q2 2021	% YoY
Net sales	4 119	4 870	18%	1 499	1 788	19%	1 806	2 225	23%	814	857	5%			
% organic			23%			24%			28%			10%			
% FX			-5%			-4%			-5%			-5%			
% portfolio			0%			0%			0%			0%			
EBIT	491	1 049	>100%	269	501	86%	386	644	67%	-30	118	n.m.	-133	-213	60%
Depreciation and amortization	556	422	-24%	90	72	-20%	199	191	-4%	249	134	-46%	19	26	37%
EBITDA	1 048	1 472	40%	359	572	59%	584	835	43%	219	252	15%	-115	-188	64%
Adjustments in EBITDA	27	105	>100%	15	9	-43%	-15	-6	-61%	19	6	-70%	8	96	>100%
EBITDA pre	1 074	1 576	47%	374	581	55%	569	829	46%	238	258	8%	-107	-92	-14%
Net financial debt	10 758*	10 141	-6%												

<sup>\*</sup> as per 31 December 2020



## Group

P&L Group	Q2 2020	Q2 2021	% YoY
Net sales	4 119	4 870	18%
Cost of sales	-1 610	-1 813	13%
thereof: intangibles amortization	-57	-49	-14%
Gross profit	2 509	3 057	22%
Marketing and selling expenses	-1 035	-1 035	0%
thereof: intangibles amortization	-165	-146	-12%
Administration	-298	-307	3%
Impairment losses / reversals (IFRS9)	-5	0	-99%
Other operating income/expenses	-160	-81	-50%
Research and development	-520	-585	12%
EBIT	491	1 049	>100%
Depreciation and amortization	556	422	-24%
EBITDA	1 048	1 472	40%
Adjustments in EBITDA	27	105	>100%
EBITDA pre	1 074	1 576	47%
Financial result	-102	-95	-7%
Profit before tax	389	955	>100%
Income tax	-100	-208	>100%
Income tax rate	26%	22%	
Profit after tax	289	747	>100%
Non-controlling interests	1	-2	n.m.
Net income	290	745	>100%
Number of theoretical shares in million	434.8	434.8	
EPS in €	0.67	1.71	>100%
EPS pre in €	1.30	2.24	72%

## Healthcare

P&L Healthcare	Q2 2020	Q2 2021	% YoY
Net sales	1 499	1 788	19%
Cost of sales	-364	-420	15%
thereof: intangibles amortization	-1	-1	55%
Gross profit	1 135	1 368	21%
Marketing and selling expenses	-409	-391	-4%
thereof: intangibles amortization	-14	-4	-69%
Administration	-81	-78	-4%
Impairment losses / reversals (IFRS9)	-3	3	n.m.
Other operating income/expenses	-7	14	n.m.
Research and development	-366	-415	13%
EBIT	269	501	86%
Depreciation and amortization	90	72	-20%
EBITDA	359	572	59%
Adjustments in EBITDA	15	9	-43%
EBITDA pre	374	581	55%

Totals may not add up due to rounding

## Life Science

P&L Life Science	Q2 2020	Q2 2021	% YoY
Net sales	1 806	2 225	23%
Cost of sales	-774	-887	15%
thereof: intangibles amortization	-15	-14	-10%
Gross profit	1 033	1 338	30%
Marketing and selling expenses	-488	-505	4%
thereof: intangibles amortization	-104	-96	-8%
Administration	-100	-92	-8%
Impairment losses / reversals (IFRS9)	-1	-1	53%
Other operating income/expenses	18	-8	n.m.
Research and development	-75	-87	15%
EBIT	386	644	67%
Depreciation and amortization	199	191	-4%
EBITDA	584	835	43%
Adjustments in EBITDA	-15	-6	-61%
EBITDA pre	569	829	46%



## **Electronics**

P&L Electronics	Q2 2020	Q2 2021	% YoY
Net sales	814	857	5%
Cost of sales	-472	-506	7%
thereof: intangibles amortization	-41	-34	-17%
Gross profit	342	352	3%
Marketing and selling expenses	-134	-137	2%
thereof: intangibles amortization	-47	-45	-4%
Administration	-44	-30	-33%
Impairment losses / reversals (IFRS9)	-1	0	-40%
Other operating income/expenses	-124	1	n.m.
Research and development	-68	-67	-2%
EBIT	-30	118	n.m.
Depreciation and amortization	249	134	-46%
EBITDA	219	252	15%
Adjustments in EBITDA	19	6	-70%
EBITDA pre	238	258	8%

## Merck KGaA Darmstadt, Germany

## **Consensus deviation**

		Actual	Consensus (mean) 26.07.2021	Difference to estimate	Consensus (median) 26.07.2021	Difference to estimate
	[€m]	Q2 2021A	Q2 2021 E	%	Q2 2021 E	%
Group						
Sales		4 870.2	4 764.0	2.2%	4 769.6	2.1%
EBITDA pre		1 576.2	1 462.9	7.7%	1 437.3	9.7%
EBITDA pre-margin (%)		32.4	30.7	1.7%	30.4	1.9%
EPS pre (€)		2.24	2.06	8.5%	2.01	11.1%
Healthcare						
Sales		1 787.7	1 711.9	4.4%	1 716.5	4.1%
Rebif		247.4	239.0	3.5%	241.3	2.5%
Mavenclad		157.4	166.5	-5.5%	169.1	-6.9%
Erbitux		273.3	257.2	6.3%	262.1	4.3%
Bavencio		86.8	75.8	14.5%	78.0	11.2%
Gonal-F		200.0	188.0	6.4%	186.0	7.5%
Glucophage		213.0	191.7	11.1%	189.9	12.1%
All other products		609.9	593.7	2.7%	590.2	3.3%
EBITDA pre		581.0	519.9	11.7%	515.0	12.8%
EBITDA pre-margin (%)		32.5	30.3	2.2%	30.4	2.1%
Life Science						
Sales		2 225.1	2 185.8	1.8%	2 178.7	2.1%
Research Solutions		631.2	592.8	6.5%	591.0	6.8%
Applied Solutions		449.1	430.3	4.4%	427.4	5.1%
Process Solutions		1 144.8	1 167.3	-1.9%	1 165.0	-1.7%
EBITDA pre		829.0	770.9	7.5%	776.0	6.8%
EBITDA pre-margin (%)		37.3	35.5	1.8%	35.6	1.6%
Electronics						
Sales		857.4	859.7	-0.3%	865.5	-0.9%
Display Solutions		253.1	260.8	-3.0%	262.6	-3.6%
Surface Solutions		103.6	95.6	8.4%	95.0	9.1%
Semiconductor Solutions		500.7	502.5	-0.4%	507.7	-1.4%
EBITDA pre		258.0	267.5	-3.5%	265.2	-2.7%
EBITDA pre-margin (%)  Corporate/Other		30.1	31.2	-1.1%	31.1	-1.0%
EBITDA pre		-91.8	-110.1	-16.6%	-113.1	-18.8%