(PrimeAll, Health Care, ECX GR)



Buy EUR 17.90	(EUR 3.30)	Value Indicators: SotP:		Warburg ESG Risk Score: ESG Score (MSCI based): Balance Sheet Score: Market Liquidity Score:	<b>2.3</b> 2.0 5.0 0.0	Description: Development and distribution diagnostic products	of
		Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	2023e
		Market cap:	1.8	Freefloat	71.64 %	Price / Book:	0.5 x
Price	EUR 2.20	No. of shares (m):	0.8	Deutsche Balaton AG	28.36 %	Equity Ratio:	62 %
Upside	713.6 %	EV:	1.1				
		Freefloat MC:	1.3				
		Ø Trad. Vol. (30d):	0.23 th				

#### Major asset transfer to NDD completed

- Following shareholder approval, Epigenomics closed the agreement with New Day Diagnostics to sell most of its assets, including all those relating to Epi proColon "Next-Gen". As a result, almost all of the assets have been transferred. Epigenomics receives USD 0.5m and a 3% interest in NDD. Epigenomics remains entitled to USD 1m as of Dec 1, 2023 and USD 0.3m as of June 30, 2024.
- As a result of the closure, Epigenomics is entitled to milestone payments dependent on the achievement of certain milestones related to Epi proColon and in particular Epi proColon "Next-Gen" which can amount to up to USD 8.0m. In addition, ECX is eligible for license payments and earn-out payments (mainly in the form of royalties on sales) in the period until 2043, the end of the patent lifetime, which are dependent on the commercialization of Epi proColon "Next-Gen".
- With above-mentioned payments on the horizon and the current net cash estimate of EUR 2.5m, we expect Epigenomics to have a cash runway until the end of 2025. We expect Epi proColon "Next-Gen" to enter commercialization in 2027. Until then, developmental milestones will be necessary to sustain the organization, which will be transformed into a shell company with no operational activities and a small cost basis.
- We have removed our risk adjustment for the 85% shareholder approval probability and increased our price target accordingly. We have also adjusted our price target to reflect the recent 5:1 reverse stock split. Buy rating maintained.

Investors should be aware that Epigenomics with a current market capitalization of EUR 2m is a very special investment case with corresponding risk.

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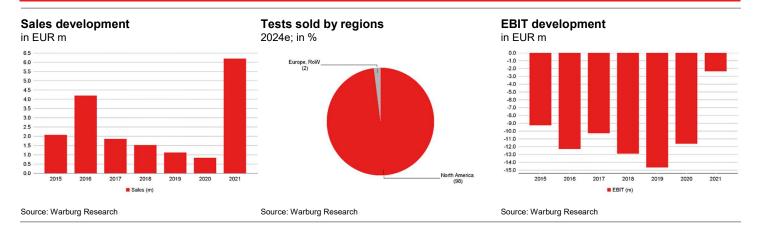
Rei. Ferformance vs Frimer	
1 month:	-21.7 %
6 months:	-61.2 %
Year to date:	-88.5 %
Trailing 12 months:	-79.3 %
Company events:	
14.03.24	FY 2023
30.09.24	Q2

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FY End: 31.12. in EUR m	CAGR (22-25e)	2019	2020	2021	2022	2023e	2024e	2025e
Sales	-72.6 %	1.1	0.8	6.2	0.5	1.6	0.3	0.0
Change Sales yoy		-26.6 %	-25.2 %	636.7 %	-92.2 %	237.4 %	-83.3 %	-96.3 %
Gross profit margin		77.5 %	82.8 %	97.8 %	75.3 %	93.9 %	63.3 %	-900.0 %
EBITDA	-	-14.2	-11.1	-1.9	-11.3	-5.2	0.4	0.2
Margin		-1258.7 %	-1317.3 %	-31.2 %	-2336.3 %	-317.9 %	159.5 %	1723.5 %
EBIT	-	-14.7	-11.6	-2.4	-12.1	-6.0	-0.3	-0.6
Margin		-1304.3 %	-1380.9 %	-37.9 %	-2484.7 %	-364.4 %	-120.0 %	-5900.0 %
Net income	-	-17.0	-11.7	-2.4	-11.9	-6.0	-0.4	-0.7
EPS	-	-70.92	-40.45	-4.33	-14.51	-7.21	-0.45	-0.76
DPS	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dividend Yield		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a
FCFPS		-56.78	-33.16	-7.49	-16.62	-10.72	0.79	0.13
FCF / Market cap		-22.3 %	-14.9 %	-24.1 %	-182.1 %	-477.3 %	36.0 %	6.0 %
EV / Sales		44.5 x	71.8 x	n.a.	n.a.	0.7 x	n.a.	n.a
EV / EBITDA		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a
EV / EBIT		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a
P/E		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a
P / E adj.		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a
FCF Potential Yield		-33.4 %	-18.4 %	40.8 %	517.3 %	-428.5 %	n.a.	n.a
Net Debt		-11.0	-3.9	-22.2	-9.6	-0.7	-1.3	-1.5
ROCE (NOPAT)		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a

Analyst Dr. Christian Ehmann cehmann@warburg-research.com +49 40 309537-167



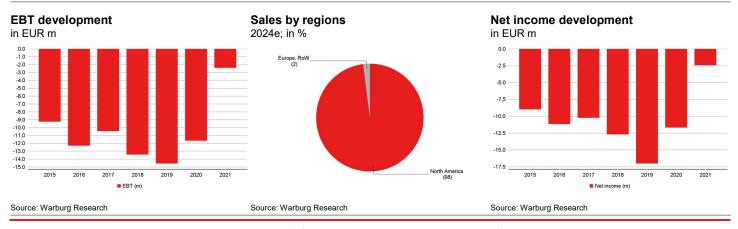


### **Company Background**

- Epigenomics was founded in Berlin in 1998.
- Epigenomics is the innovator of the Septin9 test for the detection of different cancer types.
- The company received FDA-approval for its Septin9 colorectal cancer (CRC) test Epi proColon in April 2016.
- The patent-protected test kit is distributed directly by Epigenomics in Europe and Germany and by partners in North America.

### **Competitive Quality**

- Epi proColon is a convenient and innovative blood test for the early detection of cancer.
- Epigenomics has an early-mover advantage with its blood-based cancer test, which should help raise awareness of Epi proColon and secure high market share once it is included in the national reimbursement list in the US.
- The tests currently available are less convenient (stool-test) and more time-consuming (colonoscopy) than blood tests. Surveys show a high acceptance rate for tests that are easy to perform, like Epi proColon.



### Sum of the parts

Epigenomics	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2043
Patient population US, in m	103.0	104.1	105.1	106.2	107.2	108.3	109.4	110.5	111.6	112.7	113.8	125.7
- thereof unscreened	50.5	51.0	51.5	52.0	52.5	53.1	53.6	54.1	54.7	55.2	55.8	61.6
- market share ECX	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	1.5%	2.5%	3.0%	4.0%	5.0%	5.0%
- thereof remaining	52.5	53.1	53.6	54.1	54.7	55.2	55.8	56.3	56.9	57.5	58.0	64.1
- market share ECX	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	1.5%	2.5%	3.0%	4.0%	5.0%	5.0%
EpiProColon patients	0.0	0.0	0.0	0.0	0.0	0.9	1.6	2.8	3.3	4.5	5.7	6.3
- total market penetration	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	1.5%	2.5%	3.0%	4.0%	5.0%	5.0%
North America												
Tests sold	0	0	0	0	10,721	866,285	1,640,528	2,761,555	3,347,005	4,507,300	5,690,466	6,285,815
increase absolute					10,721	855,564	774,243	1,121,027	585,450	1,160,295	1,183,166	62,236
grow th y-o-y	nm	nm	nm	nm	nm	7980%	89%	68%	21%	35%	26%	1%
Revenue, EURm	0.0	0.0	0.0	0.0	1.0	78.8	149.1	251.1	304.3	409.8	517.3	571.4
<ul> <li>royalty rate</li> <li>royalty revenue Epigenomics</li> </ul>	0.0% 0.0	0.0% 0.0	0.0% 0.0	0.0% 0.0	5.0% 0.0	5.0% 3.9	5.0% 7.5	5.0% 12.6	3.5% 10.6	3.5% 14.3	2.5% 12.9	2.5% 14.3
milestones	1.6	0.0	0.0	0.0	3.7	2.6	7.5	12.0	10.0	14.5	12.9	14.3
Revenue , EURm	1.6	0.3	0.0	0.0	3.8	6.6	7.5	12.6	10.6	14.3	12.9	14.3
- risk adjusted	100.0%	100.0%	100.0%	100.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%
Revenue risk adj., EURm	1.6	0.3	0.0	0.0	3.0	5.3	6.0	10.0	8.5	11.5	10.3	11.4
SG&A	-7.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
EBIT risk adj.	-5.9	-0.2	-0.5	-0.5	2.5	4.8	5.5	9.5	8.0	11.0	9.8	10.9
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- tax rate	0%	0%	0%	0%	15%	15%	15%	15%	15%	15%	15%	15%
taxes	0.0	0.0	0.0	0.0	-0.4	-0.7	-0.8	-1.4	-1.2	-1.6	-1.5	-1.6
NOPAT risk adj.	-5.9	-0.2	-0.5	-0.5	2.1	4.0	4.6	8.1	6.8	9.3	8.4	9.3
NPV of NOPAT	22.5											
net cash	2.5											
EV	25.0											
shares	1.39											
NPV per share	17.91											
Discount rate	12.74%											

• Tax rate at 15% due to taxloss carryforwards

• Dilutive impact of planned mandatory convertible and future finance measures factored in





Valuation							
	2019	2020	2021	2022	2023e	2024e	2025e
Price / Book	6.3 x	16.7 x	0.8 x	0.7 x	0.5 x	0.5 x	0.6 x
Book value per share ex intangibles	4.27	12.63	28.39	8.79	1.25	0.80	0.15
EV / Sales	44.5 x	71.8 x	n.a.	n.a.	0.7 x	n.a.	n.a.
EV / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
EV / EBIT	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
EV / EBIT adj.*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
P / FCF	n.a.	n.a.	n.a.	n.a.	n.a.	4.5 x	27.2 x
P/E	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
P / E adj.*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dividend Yield	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FCF Potential Yield (on market EV)	-33.4 %	-18.4 %	40.8 %	517.3 %	-428.5 %	n.a.	n.a.
*Adjustments made for: EBITDA before share-based p	ayment expenses						



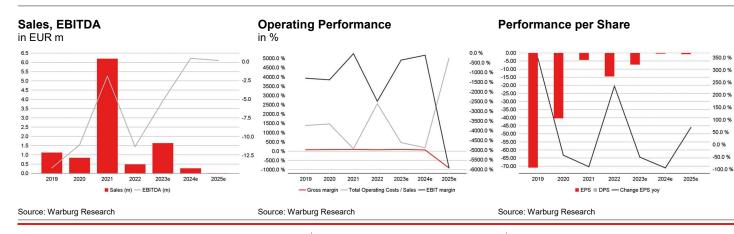
#### Consolidated profit and loss

In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Sales	1.1	0.8	6.2	0.5	1.6	0.3	0.0
Change Sales yoy	-26.6 %	-25.2 %	636.7 %	-92.2 %	237.4 %	-83.3 %	-96.3 %
COGS	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Gross profit	0.9	0.7	6.1	0.4	1.5	0.2	-0.1
Gross margin	77.5 %	82.8 %	97.8 %	75.3 %	93.9 %	63.3 %	-900.0 %
Research and development	7.3	3.7	3.1	6.7	2.5	0.0	0.0
Sales and marketing	8.9	7.3	7.5	6.6	2.5	0.0	0.0
Administration expenses	0.0	0.0	0.0	0.0	2.5	0.5	0.5
Other operating expenses	1.8	2.9	1.0	0.9	0.0	0.0	0.0
Other operating income	2.5	1.5	3.2	1.9	0.0	0.0	0.0
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	-14.2	-11.1	-1.9	-11.3	-5.2	0.4	0.2
Margin	-1258.7 %	-1317.3 %	-31.2 %	-2336.3 %	-317.9 %	159.5 %	1723.5 %
Depreciation of fixed assets	0.3	0.3	0.3	0.7	0.8	0.8	0.8
EBITA	-14.5	-11.4	-2.3	-12.1	-6.0	-0.3	-0.6
Amortisation of intangible assets	0.2	0.2	0.1	0.0	0.0	0.0	0.0
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	-14.7	-11.6	-2.4	-12.1	-6.0	-0.3	-0.6
Margin	-1304.3 %	-1380.9 %	-37.9 %	-2484.7 %	-364.4 %	-120.0 %	-5900.0 %
EBIT adj.	-14.7	-11.6	-2.4	-12.1	-6.0	-0.3	-0.6
Interest income	0.2	0.0	0.0	0.1	0.0	0.0	0.0
Interest expenses	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBT	-14.6	-11.7	-2.4	-12.1	-6.0	-0.4	-0.7
Margin	-1294.8 %	-1385.2 %	-38.8 %	-2495.1 %	-368.1 %	-142.0 %	-6500.0 %
Total taxes	2.5	0.0	0.0	-0.1	0.0	0.0	0.0
Net income from continuing operations	-17.0	-11.7	-2.4	-12.0	-6.0	-0.4	-0.7
Income from discontinued operations (net of tax)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income before minorities	-17.0	-11.7	-2.4	-11.9	-6.0	-0.4	-0.7
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	-17.0	-11.7	-2.4	-11.9	-6.0	-0.4	-0.7
Margin	-1512.9 %	-1387.9 %	-39.1 %	-2449.7 %	-368.1 %	-142.0 %	-6500.0 %
Number of shares, average	0.2	0.3	0.6	0.8	0.8	0.9	0.9
EPS	-70.92	-40.45	-4.33	-14.51	-7.21	-0.45	-0.76
EPS adj.	-70.58	-34.88	-4.33	-14.51	-7.21	-0.45	-0.76
	ment expenses						

Guidance: adj EBITDA EUR -4.5 - -5.5m

#### **Financial Ratios**

	2019	2020	2021	2022	2023e	2024e	2025e
Total Operating Costs / Sales	1381.8 %	1463.7 %	135.8 %	2560.0 %	458.3 %	183.3 %	5000.0 %
Operating Leverage	-0.5 x	0.8 x	-0.1 x	-4.5 x	-0.2 x	1.1 x	-0.8 x
EBITDA / Interest expenses	n.m.	n.m.	n.m.	n.m.	n.m.	7.3 x	2.9 x
Tax rate (EBT)	-16.8 %	-0.2 %	-0.7 %	0.6 %	0.0 %	0.0 %	0.0 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sales per Employee	26,163	21,590	167,649	14,265	48,128	8,021	294



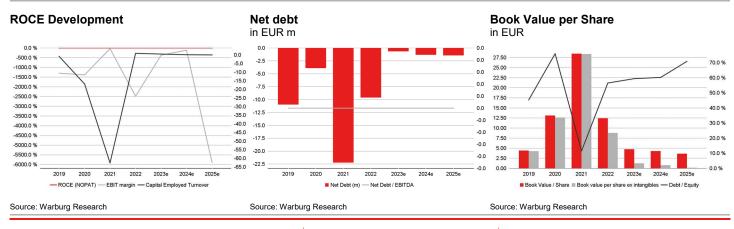
### Consolidated balance sheet



In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Assets							
Goodwill and other intangible assets	0.3	0.1	0.1	3.0	3.0	3.0	3.0
thereof other intangible assets	0.3	0.1	0.1	3.0	3.0	3.0	3.0
thereof Goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	1.5	1.2	0.9	2.1	1.3	0.5	-0.2
Financial assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other long-term assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fixed assets	1.9	1.3	1.0	5.0	4.3	3.5	2.7
Inventories	0.3	0.1	0.2	0.1	0.2	0.0	0.0
Accounts receivable	0.1	0.3	0.1	0.1	0.3	0.0	0.0
Liquid assets	11.0	4.5	23.0	10.1	1.2	1.8	2.0
Other short-term assets	0.7	0.6	0.4	0.5	0.5	0.5	0.5
Current assets	12.1	5.5	23.7	10.8	2.2	2.4	2.5
Total Assets	14.0	6.8	24.7	15.9	6.5	5.9	5.3
Liabilities and shareholders' equity							
Subscribed capital	43.5	5.9	15.5	4.1	4.1	4.1	4.1
Capital reserve	69.3	87.4	99.8	102.4	102.4	102.4	102.4
Retained earnings	-102.8	-79.0	-93.2	-84.4	-90.4	-90.8	-91.4
Other equity components	-0.3	-10.4	0.0	-11.9	-12.0	-12.0	-11.9
Shareholders' equity	9.6	3.9	22.1	10.2	4.0	3.7	3.1
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total equity	9.6	3.9	22.1	10.2	4.0	3.7	3.1
Provisions	1.3	1.4	1.4	1.1	1.1	1.1	1.1
thereof provisions for pensions and similar obligations	0.1	0.6	0.8	0.5	0.5	0.5	0.5
Financial liabilities (total)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Short-term financial liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Accounts payable	1.4	0.6	0.7	3.5	0.2	0.0	0.0
Other liabilities	1.6	0.9	0.4	1.1	1.1	1.1	1.1
Liabilities	4.4	2.9	2.6	5.7	2.4	2.2	2.2
Total liabilities and shareholders' equity	14.0	6.8	24.7	15.9	6.5	5.9	5.3

#### **Financial Ratios**

	2019	2020	2021	2022	2023e	2024e	2025e
Efficiency of Capital Employment							
Operating Assets Turnover	2.2 x	0.9 x	13.8 x	-0.4 x	1.0 x	0.5 x	0.0 x
Capital Employed Turnover	-0.8 x	-16.9 x	-62.7 x	0.9 x	0.5 x	0.1 x	0.0 x
ROA	-912.1 %	-880.0 %	-252.5 %	-235.9 %	-140.9 %	-11.0 %	-23.6 %
Return on Capital							
ROCE (NOPAT)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
ROE	-120.5 %	-173.2 %	-18.7 %	-73.6 %	-84.7 %	-10.0 %	-19.2 %
Adj. ROE	-120.0 %	-149.4 %	-18.7 %	-73.6 %	-84.7 %	-10.0 %	-19.2 %
Balance sheet quality							
Net Debt	-11.0	-3.9	-22.2	-9.6	-0.7	-1.3	-1.5
Net Financial Debt	-11.0	-4.5	-23.0	-10.1	-1.2	-1.8	-2.0
Net Gearing	-113.9 %	-101.3 %	-100.4 %	-94.6 %	-16.4 %	-36.5 %	-46.6 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	4.4	13.1	28.5	12.4	4.7	4.3	3.6
Book value per share ex intangibles	4.3	12.6	28.4	8.8	1.3	0.8	0.2



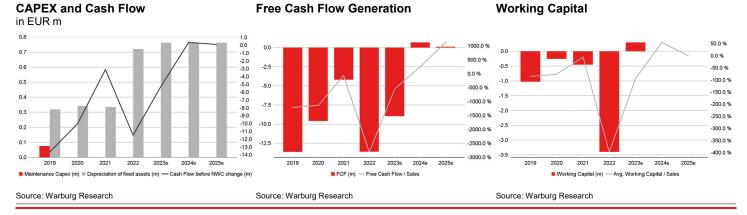
#### **Consolidated cash flow statement**



In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Net income	-17.0	-11.7	-2.4	-11.9	-6.0	-0.4	-0.7
Depreciation of fixed assets	0.3	0.3	0.3	0.7	0.8	0.8	0.8
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	0.2	0.2	0.1	0.0	0.0	0.0	0.0
Increase/decrease in long-term provisions	-0.4	0.3	0.2	-0.3	0.0	0.0	0.0
Other non-cash income and expenses	3.2	0.8	-1.3	0.0	0.0	0.0	0.0
Cash Flow before NWC change	-13.6	-10.0	-3.1	-11.5	-5.3	0.4	0.1
Increase / decrease in inventory	0.0	0.2	-0.1	0.1	-0.1	0.2	0.0
Increase / decrease in accounts receivable	0.1	-0.2	0.2	0.0	-0.2	0.3	0.0
Increase / decrease in accounts payable	0.1	0.4	0.1	2.8	-3.3	-0.2	0.0
Increase / decrease in other working capital positions	-0.1	0.0	-1.3	-3.7	0.0	0.0	0.0
Increase / decrease in working capital (total)	0.1	0.4	-1.1	-0.8	-3.7	0.3	0.0
Net cash provided by operating activities [1]	-13.5	-9.6	-4.2	-12.2	-9.0	0.7	0.1
Investments in intangible assets	0.0	0.0	0.0	-0.5	0.0	0.0	0.0
Investments in property, plant and equipment	-0.1	-1.0	0.0	-0.8	0.0	0.0	0.0
Payments for acquisitions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial investments	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Income from asset disposals	0.2	0.0	1.0	-0.3	0.0	0.0	0.0
Net cash provided by investing activities [2]	0.0	0.0	1.0	-1.7	0.0	0.0	0.0
Change in financial liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dividends paid	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	7.3	3.3	21.9	0.0	0.0	0.0	0.0
Other	-0.2	-0.3	-0.3	-0.4	0.0	0.0	0.0
Net cash provided by financing activities [3]	7.1	3.0	21.6	-0.4	0.0	0.0	0.0
Change in liquid funds [1]+[2]+[3]	-6.3	-6.6	18.4	-14.3	-9.0	0.7	0.1
Effects of exchange-rate changes on cash	0.0	0.0	1.1	1.2	0.0	0.0	0.0
Cash and cash equivalent at end of period	10.2	3.6	23.0	9.9	1.2	1.8	2.0

#### **Financial Ratios**

	2019	2020	2021	2022	2023e	2024e	2025e
Cash Flow							
FCF	-13.6	-9.6	-4.2	-13.6	-9.0	0.7	0.1
Free Cash Flow / Sales	-1211.4 %	-1138.0 %	-67.6 %	-2805.2 %	-547.4 %	247.5 %	1123.5 %
Free Cash Flow Potential	-16.7	-11.1	-2.0	-11.1	-5.2	n.a.	n.a.
Free Cash Flow / Net Profit	80.1 %	82.0 %	173.1 %	114.5 %	148.7 %	-174.3 %	-17.3 %
Interest Received / Avg. Cash	1.2 %	0.3 %	0.0 %	0.6 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Management of Funds							
Investment ratio	10.8 %	118.8 %	0.0 %	281.4 %	0.0 %	0.0 %	0.0 %
Maint. Capex / Sales	6.7 %	0.0 %	0.0 %	0.0 %	0.0 %	n.a.	n.a.
Capex / Dep	23.8 %	186.9 %	0.0 %	189.6 %	0.0 %	0.0 %	0.0 %
Avg. Working Capital / Sales	-84.9 %	-76.2 %	-5.7 %	-396.6 %	-94.6 %	55.0 %	0.0 %
Trade Debtors / Trade Creditors	6.2 %	39.9 %	10.4 %	2.3 %	150.0 %	n.a.	n.a.
Inventory Turnover	0.8 x	1.2 x	0.8 x	2.0 x	0.5 x	n.a.	n.a.
Receivables collection period (days)	29	109	4	62	67	0	0
Payables payment period (days)	2,063	1,583	1,879	10,768	730	0	0
Cash conversion cycle (Days)	-1,583	-1,167	-1,402	-10,519	67	n.a.	n.a.



COMMENT

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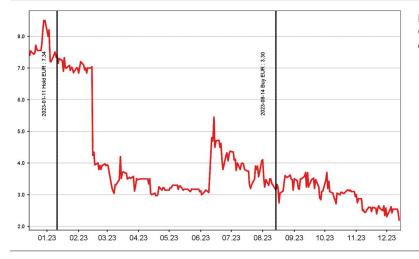
Rating	Number of stocks	% of Universe
Buy	153	72
Hold	46	22
Sell	6	3
Rating suspended	7	3
Total	212	100

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Buy	44	81
Hold	7	13
Sell	0	0
Rating suspended	3	6
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Carsten Klude

Macro Research

Bloomberg

FactSet

Warburg Research

Andrea Schaper

Sales Assistance

United Kingdom, Ireland

United Kinadom

#### INSTITUTIONAL EQUITY SALES

+49 40 309537-280 mheider@warburg-research.com +49 40 309537-270 hrueschmeier@warburg-research.com +49 40 309537-168 saugustin@warburg-research.com +49 40 309537-155 jbauer@warburg-research.com +49 40 309537-175 ccohrs@warburg-research.com +49 40 309537-167 cehmann@warburg-research.com +49 40 309537-120 fellmann@warburg-research.com +49 40 309537-258 jfrey@warburg-research.com +49 40 309537-185 mfuhrberg@warburg-research.com +49 40 309537-240 fhoelscher@warburg-research.com +49 40 309537-260 pkaiser@warburg-research.com +49 40 309537-257 tkleibauer@warburg-research.com

+49 40 3282-2678

mrode@mmwarburg.com

+49 40 3282-2660 mniemann@mmwarburg.com +49 40 3282-2665 tbeckmann@mmwarburg.com +49 69 5050-7411 lbogdanova@mmwarburg.com +49 69 5050-7415 jbuchmueller@mmwarburg.com +49 40 3282-2696 mfritsch@mmwarburg.com +49 69 5050-7413 mmartin@mmwarburg.com

+49 40 3282-2634 omerckel@mmwarburg.com +49 40 3282-2685 rmueller@mmwarburg.com +49 40 3282-2701 bquast@mmwarburg.com

+49 40 3282-2572

RESP MMWA GO

www.factset.com

+49 40 3282-2632

aschaper@mmwarburg.com

cklude@mmwarburg.com

research.mmwarburg.com/en/index.html

#### Software, IT Andreas Pläsier Banks, Financial Services Malte Schaumann Technology Oliver Schwarz Chemicals, Agriculture Simon Stippig Real Estate, Telco Marc-René Tonn Automobiles, Car Suppliers Robert-Jan van der Horst Technology Andreas Wolf Software, IT

Hannes Müller

+49 40 309537-255 hmueller@warburg-research.com +49 40 309537-246 aplaesier@warburg-research.com +49 40 309537-170 mschaumann@warburg-research.com +49 40 309537-250 oschwarz@warburg-research.com +49 40 309537-265 sstippig@warburg-research.com +49 40 309537-259 mtonn@warburg-research.com +49 40 309537-290 rvanderhorst@warburg-research.com +49 40 309537-140 awolf@warburg-research.com

Rudolf Alexander Michaelis Germany Roman Alexander Niklas Switzerland

Antonia Möller Roadshow/Marketing Charlotte Wernicke Roadshow/Marketing Juliane Niemann

Roadshow/Marketing

#### DESIGNATED SPONSORING

Marcel Magiera Designated Sponsoring Sebastian Schulz Designated Sponsoring Jörg Treptow Designated Sponsoring

Dr. Christian Jasperneite Investment Strategy

Refinitiv

Capital IQ

+49 40 3282-2649 rmichaelis@mmwarburg.com +49 69 5050-7412 rniklas@mmwarburg.com

+49 69 5050-7417 amoeller@mmwarburg.com +49 40 3282-2669 cwernicke@mmwarburg.com +49 40 3282-2694 jniemann@mmwarburg.com

+49 40 3282-2662 mmagiera@mmwarburg.com +49 40 3282-2631 sschulz@mmwarburg.com +49 40 3282-2658 itreptow@mmwarburg.com

+49 40 3282-2439 cjasperneite@mmwarburg.com

> www.refinitiv.com www.capitaliq.com

Kerstin Muthig +49 40 3282-2703	
Sales Assistance kmuthig@mmwarburg.com	

