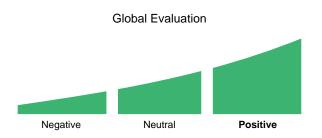
Sector WO Analysis of 03-May-2023 Closing Price of 02-May-2023

The sector Pharmaceuticals represents approximately 50% of the market capitalization of the group Health Care and approximately 5% of the World market with 159 companies being regularly followed by the Screener.

The sector is currently trading close to its 52 week high and 11% above its 52 week low (bi-weekly closing).

Performance since May 3, 2022: 1.2% vs. 4.0% for the group Health Care and 1.4% for the TSC\_World.

The current % of stocks over their Medium Term technical trend (MTT) is 40.9%.



	Market Value	Perf YtD	Nb of Stocks	Mkt Cap in \$bn	Stars	Sensitivity	LT P/E	LT Growth	4wk Rel Perf	Div	Global Evaluation
Pharmaceuticals (WO)	148.18	0.6%	159	4,352.85	***		13.5	11.5%	2.8%	2.5%	
Health Care (WO)	340.21	1.7%	539	9,161.95	***		16.2	13.4%	2.2%	1.7%	
TSC_World (WO)	407.95	7.0%	6,428	92,719.83	****	<u></u>	11.7	17.4%	0.6%	2.8%	

# **Comparison** May 3, 2022 - May 2, 2023



# Price evaluation rating \*

In order to assess how an index is valued, we compare, among other, the projected earnings growth and dividend with the estimated PE ratio.

and dividend with the estimated PE ratio.

Based on this approach, we feel this sector is currently slightly undervalued.

The G/PE ratio higher than 0.9 indicates that the index's price includes a discount to growth of -12.6%.

# Earnings revision trend 🖈

Compared to seven weeks ago, the analysts have not significantly revised their earnings estimates (changes between +1% and -1% are considered neutral). But the underlying trend has been negative since April 18, 2023 at a price of 148.0.

# Technical Trend and Performance

The 40-day Medium Term Technical Trend has been positive since April 4, 2023. The confirmed Technical Reverse point is currently 4% lower.

## "Price to Estimated Earnings" (PE) - Evolution over five years

The estimated PE is calculated on the basis of the underlying stocks. The sector is currently trading around its historical median of 13.7.



# Checklist

Nyon, 03-May-2023 06:30 GMT+1

Global Evaluation		Positive
Interest	***	Strong interest since April 18, 2023.
Earnings Rev Trend	*	Analysts neutral but previously negative (since April 18, 2023)
Valuation Rating	*	Moderately undervalued
MT Tech Trend	*	Market positive since April 4, 2023
4wk Rel Perf	*	vs. TSC_World
Sensitivity		The industry has been on the moderate-sensitivity level since April 11, 2023.

# **Comparison** May 4, 2018 - May 2, 2023





Sector WO	Analysis of <b>03-May-2023</b>								Closing Price of 02-May-2023			
	Market Value	Perf YtD	Nb of Stocks	Mkt Cap in \$bn	Stars	Sensitivity	LT P/E	LT Growth	4wk Rel Perf	Div	Global Evaluation	
Pharmaceuticals (WO)	148.18	0.6%	159	4,352.85	***		13.5	11.5%	2.8%	2.5%		

# **Price & Sensitivity Evolution**



### Volatility

The volatility is also used as a sensitivity factor. It measures the magnitude of the upward and downward movements of a stock or index. The higher the volatility, the more sensitive a sector is considered to be.

As of the last update, the monthly volatility of (12.9%) is higher than the last few years' average of (11.6%). The high magnitude of short term price fluctuations indicates the market is very nervous. On the other hand, long term volatility 12.0% of the sector is similar to that of the group Health Care (14.6%), reflecting almost identical price variations between the sector and the group to which it belongs.

Sensitivity factor in declining markets
The "Bear Market Factor" measures the behavior of a sector in declining markets. In this context, the sector Pharmaceuticals has a tendency to minimize the drops of the index TSC\_World. This would indicate a low sensitive behaviour during market corrections. The sector Pharmaceuticals has a tendency to minimize drops in the index by -1.24%.

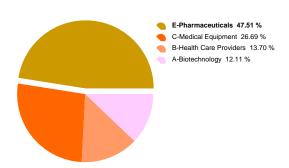
Sensitivity factor in rising markets
The "Bad News Factor" measures a sector's corrections in a rising market phase. In this configuration, the market normally sanctions the sector Pharmaceuticals when there is specific

pressure in this particular economic activity. When the sector declines in a rising market its average deviation is -2.31%.

## Sensitivity analysis summary

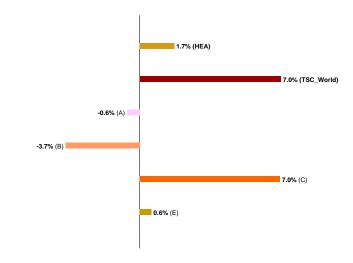
Generally speaking, the Pharmaceuticals sector shows an average sensitive behaviour with an average Bad News and a low Bear Market factor.

# Allocation by sector, of the group Health Care



The largest sector in terms of market capitalization Pharmaceuticals represents 47.5% of the group Health Care. These sectors follow, in size order, Medical Equipment with 26.7% and Health Care Providers with 13.7%.

# 2023 sector evolution



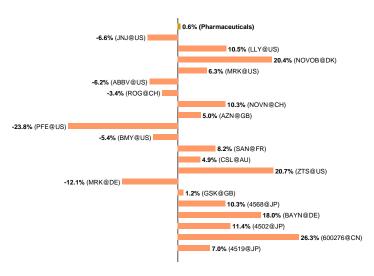
From the beginning of the year, the sector Pharmaceuticals recorded a variation of 0.6%, while the group Health Care evolved by 1.7%. This industry group is made up of 4 sectors, in which the extreme variations were from -3.7% to 7.0%.



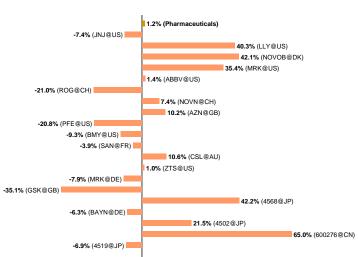
Sector WO				Analysı	s of <b>03-Ma</b>	y-2023			Closing Price of <b>02-May-2023</b>			
	Market Value	Perf YtD	Nb of Stocks	Mkt Cap in \$bn	Stars	Sensitivity	LT P/E	LT Growth	4wk Rel Perf	Div	Global Evaluation	
Pharmaceuticals (WO)	148.18	0.6%	159	4,352.85	***	<u> </u>	13.5	11.5%	2.8%	2.5%		

The performance of the 20 largest stocks of the sector is presented below.

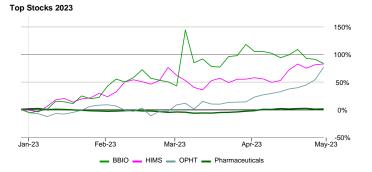
# Year to date performance



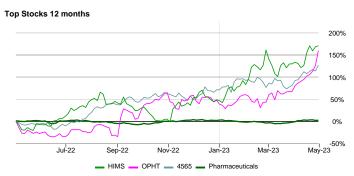
# 12 months performance



The analysis and details of the above stock can be found on page 6

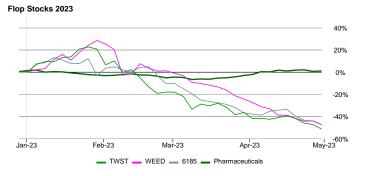


The analysis and details of the above stock can be found on page 6

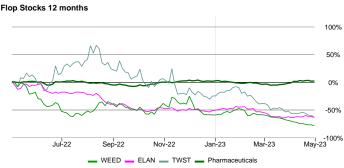


From the beginning of the year, the performance of the sector was 0.6%; as for the three best stocks,

(BRIDGEBIO PHARMA (BBIO), HIMS & HERS (HIMS) and IVERIC BIO (OPHT)), their performance was 83.2%, 82.2% and 76.2% respectively.



Since 12 months ago, the performance of the sector has been 1.2%; the three best stocks, (HIMS & HERS (HIMS), IVERIC BIO (OPHT) and SOSEI GROUP (4565)) recorded performances of 169.8%, 158.9% and 126.3% respectively.



TWIST BIOSCIENCE CORP. (TWST), CANOPY GROWTH (WEED) and CANSINO BIOLOGICS (6185) with -51.7%, -47.8% and -47.7% recorded the three worst performances from the beginning of the year. For the sector Pharmaceuticals, the variation was 0.6%.

Only companies with a market capitalization exceeding \$500 million are mentioned.

The three worst performances in 12 months were recorded by CANOPY GROWTH (WEED), ELANCO ANIMAL HEALTH (ELAN) and TWIST BIOSCIENCE CORP. (TWST) with -78.9%, -64.1% and -64.0%. As for the sector Pharmaceuticals, it recorded a variation of 1.2%.

Sector WO Analysis of 03-May-2023 Closing Price of 02-May-2023

The stock selection below has been specifically chosen for this universe. The proposals cannot consider the reader's personal financial situation nor his appetite or aversion to risk; stock ownership should not be assessed either if appropriate to the reader. Please request personalised alternatives from your financial advisor.

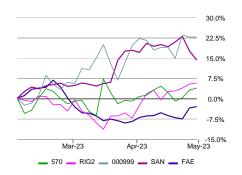
# Stocks of interest

Company Name	Market	Group	Best Evaluation	Defensive Stocks	High Dividends	Low PE
ABBVIE	US	Health Care		✓		
BAYER	DE	Health Care			✓	
CHINA RES.SANJIU MED.& PHARM.'A'	CN	Health Care	✓			
CHINA TRADITIONAL CHI MEDICINE	НК	Health Care	✓			
EISAI	JP	Health Care		✓		
FAES FARMA	ES	Health Care	✓			
HYPERA SA	BR	Health Care			✓	
JIANGSU KANION PHARM	CN	Health Care		✓		
MERCK & COMPANY	US	Health Care		✓		
ORGANON	US	Health Care				✓
RICHTER GEDEON	DE	Health Care	✓		✓	✓
ROHTO PHARMACEUTICAL	JP	Health Care		✓		
SANOFI	FR	Health Care	✓		✓	
TAKEDA PHARMACEUTICAL	JP	Health Care			✓	
TEVA PHARMACEUTICAL	IL	Health Care				✓
UNITED LABS.INTL.HDG.	НК	Health Care				✓
VIATRIS	US	Health Care				✓

# Stocks with the best valuations

Symbol Market	Name Sector	Price Ccy	Mkt Cap in \$bn	7wk EPS Rev	Stars	Sensitivity	Global Evaluation
570 HK	CHINA TRADITIONAL CHI MEDICINE Pharmaceuticals	4.31 HKD	2.76	62.5%	****		11
RIG2 DE	RICHTER GEDEON Pharmaceuticals	21.93 EUR	4.49	19.2%	***		11
000999 CN	CHINA RES.SANJIU MED.& PHARM.' Pharmaceuticals	58.95 CNY	8.41	19.0%	***		11
SAN FR	SANOFI Pharmaceuticals	97.17 EUR	134.65	7.8%	***		11
FAE ES	FAES FARMA Pharmaceuticals	3.21 EUR	1.14	7.3%	***		11





The Global Evaluation is a multi-criteria approach to identify the stocks with the best overall outlook. The assessment is the compilation of fundamental (PE, growth, earnings revisions, dividend, etc.), technical (moving average, relative performance), and sensitivity (behaviour in declining markets and sensitivity to bad news) factors. In order to present a relevant selection, only companies with a market capitalization above \$1bn and showing good earnings growth valuations, are listed. Furthermore, the eligible stocks must have a minimum rating of two stars, a neutral to positive valuation, and a low to moderate sensitivity. When the global rankings are identical, the analysts' 7 week earnings per share revision (7 wk EPS rev) acts as the deciding classification element.



Sector WO			Closing Price of 02-May-2023								
	Market Value	Perf YtD	Nb of Stocks	Mkt Cap in \$bn	Stars	Sensitivity	LT P/E	LT Growth	4wk Rel Perf	Div	Global Evaluation
Pharmaceuticals (WO)	148.18	0.6%	159	4,352.85	***		13.5	11.5%	2.8%	2.5%	

# The best defensive stacks

	60%
	45%
	30%
	15%
	0%
Mar-23 Apr-23 May	-15% r-23
COOFET MANY 4507 ARRIV 4500	

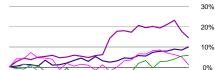
Evolution over the last 3 months

Symbol Market	Name Sector	Price Ccy	Mkt Cap in \$bn	Bear Mkt Factor	Stars	Sensitivity	Global Evaluation
600557 CN	JIANGSU KANION PHARM Pharmaceuticals	29.50 CNY	2.49	-182	***		
MRK US	MERCK & COMPANY Pharmaceuticals	117.89 USD	299.17	-164	***		11
4527 JP	ROHTO PHARMACEUTICAL Pharmaceuticals	2,822.00 JPY	4.88	-156	***		
ABBV US	ABBVIE Pharmaceuticals	151.62 USD	267.48	-134	***		
4523 JP	EISAI Pharmaceuticals	7,965.00 JPY	17.31	-132	***		11

The sensitivity assessment is based on essentially two criteria: the stock's "behaviour in declining markets" (Bear Market Factor), and the stock's "sensitivity to bad news" (Bad News Factor). By positioning a stock according to the world averages, three sensitivity levels can be attributed (low, moderate, high). Combining these elements makes it possible to create a final ranking of stocks in the market. To present the most useful selection, only companies with a market capitalization greater than \$1bn and showing good earnings growth valuations are listed. Furthermore, the eligible stocks must have a minimum rating of two stars, a neutral to positive valuation, and a low to moderate sensitivity. In case of a tie, the stock's "behaviour in declining markets" will act as the deciding classification element.

# The stocks with attractive dividends

Symbol Market	Name Sector	Price Ccy	Mkt Cap in \$bn	Div	Stars	Sensitivity	Global Evaluation
RIG2 DE	RICHTER GEDEON Pharmaceuticals	21.93 EUR	4.49	4.5%	****		11
BAYN DE	BAYER Pharmaceuticals	57.34 EUR	61.85	4.3%	***		1
HYPE3 BR	HYPERA SA Pharmaceuticals	36.96 BRL	4.65	4.3%	***		11
SAN FR	SANOFI Pharmaceuticals	97.17 EUR	134.65	3.9%	***		11
4502 JP	TAKEDA PHARMACEUTICAL Pharmaceuticals	4,580.00 JPY	53.10	3.8%	***		11

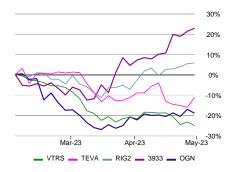


Evolution over the last 3 months



Within this category, the equities that have been chosen are based on the expected dividend yield over the next 12 months. The selection takes into consideration only companies with payout dividends totalling not more than 70% of their forecasted income. This is to ensure that only companies are included that show a strong potential for a continued payout of dividends in the future. This profile also requires a minimum of 2 stars and a market value greater than one billion USD.

## Evolution over the last 3 months



# The stocks with the lowest PE

Symbol Market	Name Sector	Price Ccy	Mkt Cap in \$bn	LT P/E	Stars	Sensitivity	Global Evaluation
VTRS US	VIATRIS Pharmaceuticals	9.12 USD	10.93	3.3	***		-4411
TEVA IL	TEVA PHARMACEUTICAL Pharmaceuticals	32.00 ILS	9.84	3.4	***		-4411
RIG2 DE	RICHTER GEDEON Pharmaceuticals	21.93 EUR	4.49	4.6	****		411
3933 HK	UNITED LABS.INTL.HDG. Pharmaceuticals	6.42 HKD	1.49	4.7	***		
OGN US	ORGANON Pharmaceuticals	24.06 USD	6.14	4.9	***		

The price to earnings ratio (PE) may help to find undervalued stocks. If the PE of a stock is much lower than the PE of its reference market, the stock could have upside price potential. In order to present a relevant selection, only companies with a market capitalization greater than \$1bn and showing good earnings growth valuations are listed. Furthermore, the eligible stocks must have: a minimum rating of two stars, a neutral to positive valuation, a low to moderate sensitivity. When the PE ratios are identical, the analysts' 7 week earnings per share revision (7 wk EPS rev) acts as the deciding classification element.



Sector WO			Analysis of <b>03-May-2023</b>							Closing Price of 02-May-2023		
	Market Value	Perf YtD	Nb of Stocks	Mkt Cap in \$bn	Stars	Sensitivity	LT P/E	LT Growth	4wk Rel Perf	Div	Global Evaluation	
Pharmaceuticals (WO)	148.18	0.6%	159	4,352.85	***		13.5	11.5%	2.8%	2.5%		

# The 20 top stocks classified by market capitalization

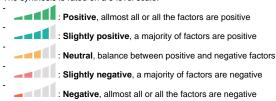
Symbol Market	Name Sector	Price Ccy	Perf YtD	Mkt Cap in \$bn	Stars	Sensitivity	LT P/E	LT Growth	4wk Rel Perf	Div	Global Evaluation
JNJ US	JOHNSON & JOHNSON Pharmaceuticals	165.03 USD	-6.6%	428.87	***		14.4	9.2%	5.3%	2.9%	_441
LLY US	ELI LILLY Pharmaceuticals	404.20 USD	10.5%	383.70	***		24.5	27.4%	15.4%	1.2%	
NOVOB DK	NOVO NORDISK A/S Pharmaceuticals	1,129.40 DKK	20.4%	375.04	***		22.2	21.7%	3.1%	1.7%	_441
MRK US	MERCK & COMPANY Pharmaceuticals	117.89 USD	6.3%	299.17	***		11.6	11.0%	8.4%	2.6%	_441
ABBV US	ABBVIE Pharmaceuticals	151.62 USD	-6.2%	267.48	***		12.8	5.8%	-5.0%	3.9%	_441
ROG CH	ROCHE HOLDING Pharmaceuticals	280.65 CHF	-3.4%	256.57	***		12.6	8.6%	7.1%	3.4%	_441
NOVN CH	NOVARTIS AG Pharmaceuticals	92.22 CHF	10.3%	234.82	***		12.7	10.6%	8.6%	3.6%	_441
AZN GB	ASTRAZENECA Pharmaceuticals	11,774.00 GBp	5.0%	227.38	***		14.9	14.4%	3.7%	2.1%	_441
PFE US	PFIZER Pharmaceuticals	39.06 USD	-23.8%	220.47	***		10.0	2.1%	-5.4%	4.3%	_441
BMY US	BRISTOL MYERS SQUIBB Pharmaceuticals	68.10 USD	-5.4%	143.07	***		8.2	5.2%	-2.1%	3.4%	
SAN FR	SANOFI Pharmaceuticals	97.17 EUR	8.2%	134.65	***		8.8	8.5%	-3.2%	3.9%	11
CSL AU	CSL Pharmaceuticals	301.71 AUD	4.8%	96.95	***		25.1	23.1%	3.2%	1.4%	_441
ZTS US	ZOETIS Pharmaceuticals	176.90 USD	20.7%	81.83	***		26.3	18.5%	5.8%	0.9%	_4411
MRK DE	MERCK KGAA Pharmaceuticals	159.90 EUR	-12.0%	76.33	****		13.1	9.9%	-4.3%	1.5%	-4411
GSK GB	GLAXOSMITHKLINE Pharmaceuticals	1,455.20 GBp	1.2%	74.25	****		8.3	8.5%	0.4%	4.0%	
4568 JP	DAIICHI SANKYO Pharmaceuticals	4,687.00 JPY	10.3%	66.87	***		22.9	36.1%	-6.4%	0.8%	
BAYN DE	BAYER Pharmaceuticals	57.34 EUR	18.0%	61.85	***		7.0	5.3%	-0.4%	4.3%	
4502 JP	TAKEDA PHARMACEUTICAL Pharmaceuticals	4,580.00 JPY	11.4%	53.10	***		17.3	13.2%	1.9%	3.8%	11
600276 CN	JIG.HENGRUI PHARMS.CTD. Pharmaceuticals	48.65 CNY	26.3%	44.79	***		36.7	28.6%	13.5%	0.4%	
4519 JP	CHUGAI PHARM. Pharmaceuticals	3,603.00 JPY	7.0%	44.33	***		18.3	8.9%	7.4%	2.3%	41

# **Glossary - Equities**

### **Global Evaluation**

The rating results from several factors: fundamental and technical analysis, measure of sensitivity and benchmark trend.

The synthesis is rated on a 5 level scale:



The synthesis for the Indices and Industries is rated on a 3 level scale: Positive, Neutral and Negative.

## **Number of Stocks**

The number of stocks in the index that can be analyzed.

### Mkt Cap in \$bn

This number represents the Market Capitalization in USD bn. It is calculated by multiplying a firm's share price by the number of outstanding shares. For reasons of comparison, all results are in USD.

## Valuation Rating

Our Valuation Rating indicates if a stock is "expensive" or "cheap" relative to its growth potential. This is used to determine whether or not the investor is paying a premium for anticipated growth.

To estimate a stock's value relative to its current price, our Valuation Rating combines:

- stock price
- projected earnings
- projected earnings growth
- dividends

We establish our rating by combining these elements.

There are five ratings, ranging from strongly undervalued **??** to strongly overvalued **>>**.

theScreener.com's star rating system is designed to enable you to identify high-quality stocks quickly and easily.

In this easy-to-use rating system, stars are earned for each element specified below:

- Earnings Rev Trend =
- Valuation Rating ○, ↗,↗↗ = ★★★★
- MT Tech Trend → = ★★★★
- 4 week Relative Performance > 1% = ★★★

Therefore, a stock can earn a maximum of four stars.

The lowest rating a stock can have is no stars Once a stock has earned a star, it will keep it until:

- Earnings Rev Trend becomes negative
- Valuation Rating becomes negative , >>>
- MT Tech Trend becomes negative
- 4 week Relative Performance drops below -1% (<-1%)

## Div

This is the dividend in % for the next 12 months.

Even if the same number is shown, the dividend value can appear in one of four colors, depending on the earnings coverage:

- 0%, no dividend
- 4%, the dividends are covered (between 0% and 40% of earnings)
- 4%, the dividends represent between 40% and 70% of earnings 4%, the dividends are higher than 70% of earnings, which implies that the dividend coverage is not guaranteed.

# Earnings Rev. Trend

The symbol ? shows that compared with their earnings revisions of seven weeks ago, the analysts have now raised their estimates (7wk EPS Rev; > 1%); the symbol ≥ indicates that compared with their earnings revisions of seven weeks ago, the analysts have now lowered their estimates (7wk EPS Rev < -1%).

When the earnings revisions (7wk EPS Rev) fall between +1% and -1%, the trend is considered to be neutral .

The symbol • indicates that the last significant revisions have been trending positive.

The symbol • indicates that the last significant revisions have been negative.

## 7wk FPS Rev

This is an abbreviation for 7 week Earnings Per Share Revision. This column indicates the value of these revised earnings. A figure of 2.8 signifies that compared with seven weeks ago, the analysts have now revised and raised their estimates by 2.8%. On the contrary, a negative number means that the earnings would have been revised lower.

### G/PF Ratio

In order to establish our Valuation Rating, we calculate the estimated growth of future earnings (LT Growth) plus dividend in %, divided by the estimated future PE ratio (Long Term P/E).

# LT PE

This is the relationship between the price (P) and the estimated long-term future earnings.

#### LT Growth

This is the estimated annual growth rate of future earnings, normally projected over the next two to three years.

The MT Tech Trend indicates the current trend, positive 🗖 or negative 🌂 and the Tech Reverse indicates up to which price this trend will remain valid.

When a price falls to 1.75% above or below the Tech Reverse, the MT Tech Trend is considered neutral O.

Once the price breaks out of the 1.75% neutral zone, the MT Tech Trend will change to positive. The symbol indicates that the previous MT Tech Trend was positive.

The symbol o indicates that the previous MT Tech Trend was negative.

### 4-week (Relative) Performance

This figure measures the dividend-adjusted performance of a stock relative to its national or regional index (compared to four weeks ago). As for an Index, it measures the net performance over 4 weeks.

#### **Bad News Factor**

To determine the "Bad News Factor" we analyze a stock's declines in rising markets. In this purely objective analysis, the actual reasons for a stock's behavior are not important. If a stock price falls while its relative index goes up, it can be assumed that the stock's performance has been affected by bad news - hence the name, "Bad News Factor".

Here a stock's movements are measured on a bi-weekly basis, during a sliding 52 week period. Every time a stock drops while its reference index rises, the difference is calculated in %, integrated into a yearly average and expressed in basis points.

The higher the "Bad News Factor," the more a stock has proven to be sensitive to bad news. The lower the "Bad News Factor," the less the stock has proven to be sensitive to bad news.

### **Bear Market Factor**

To determine the "Bear Market Factor" we analyze a stock's price movements in declining markets.

This is the analysis of the movements, in a bi-weekly intervals, during a sliding 52 week period. The higher the "Bear Market Factor," the greater the probability a stock would drop when its relative index drops.

A "Bear Market Factor" that is strongly negative means the stock has been more resistant to losses in declining markets.

# Sensitivity

Stock price developments are generally volatile and contain high risks that can result in a total loss. Based on a their historical behaviour, stocks are classified by sensitivity level. These sensitivity levels have to be considered solely in relative historical comparison to other stocks. Please note that even "Low Sensitivity" stocks are equities and therefore high risk investments that can lose up to all of their value, and that past performance is no indication of current or future performance.

"Sensitivity" is determined by measuring the "Bear Market Factor" and the "Bad News Factor" against its benchmark.

There are three grades of sensitivity levels:

- Low Sensitivity: The sensitivity indicators fall below the world reference average.
- Moderate Sensitivity: The sensitivity indicators are situated higher than the world reference average, but lower than standard deviation.
- High Sensitivity: The sensitivity indicators are at levels higher than standard deviation.

# Volatility 12 M

Volatility measures the magnitude of upwards and downwards movements of a stock or index. The volatility 12 M shows the average volatility over the last 12 months.

## % of Stocks in Uptrend

This is the percentage of stocks in a given list that have a positive Medium Term Technical Trend. If, for example, the aggregate of Technology / World, (which is made up of 458 stocks) has 8% "of stocks in Uptrend," it means that 38 of the stocks within that aggregate have a positive Medium Term Technical Trend.

## Beta

Beta is often used as a measure of sensitivity. Where a Beta is greater than 100, the stock is more volatile than its reference index.

Correlation is the degree of similarity in which a stock fluctuates in relation to its reference

# Disclaimer:

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If the investment currency differs from the currency of the investment instrument, currency fluctuations can have a strong influence on the performance of the investment instrument, so that it can be significantly higher or lower.

More information: www.thescreener.com/home/method/ Price data, financial ratios and earnings estimates provided by REFINITIV