Product Base Currency of US Dollar (USD)

Track Record: USA - SA - Composite - Essex Micro Cap Growth Strategy - Gross of Fees Risk Index: Russell Microcap Growth Risk-Free Index: FTSE 3-Month T-Bill Frequency: Monthly

#### General Information

Asset Class: Primary Universe: Marketing Contact:

ss: United States - Equity iverse: eVestment US Micro Cap Growth Equity

 Marketing Contact:
 Ken Rogers

 Title:
 Marketing Contact

 Phone / Fax
 914-251-1084 /

 Email Address:
 ken@arrowpartners.com

### Kev Facts

Status:

Primary Capitalization:
Primary Style Emphasis:
Preferred Benchmark:

Total Product Assets: Total Product Accounts: Product Offered As: Investment Focus: Micro Cap Growth

Russell Microcap Growth

\$19.6 8 SA Long Only Active

## **Asset & Account Information**

Current Totals	Assets (M)	Accounts
Product	\$19.6	8
Taxable	\$3.1	5
Tax-Exempt	\$16.5	3
Institutional	\$16.5	3

Gained	Accounts	Assets (M)	% Product Assets
MRQ	5	\$3.2	5.7%
YTD	5	\$3.2	5.7%
2023	0	\$0.0	0.0%
2022	1	\$2.0	2.6%

Assets (M)
\$19.6
\$0.0
\$0.0
\$0.0

Lost	Accounts	Assets (M)	% Product Assets
MRQ	0	\$0.0	0.0%
YTD	0	\$0.0	0.0%
2023	2	\$15.9	22.9%
2022	n	\$0.0	0.0%

# Portfolio Characteristics

#### Strategy Snapshot

Primary Capitalization: Micro Cap
Primary Style Emphasis: Growth
Preferred Benchmark: Russell Microcap Growth
Secondary Style Emphasis: Not Applicable
Current Number Of Holdings: 103
Foreign Securities Utilized: --Approach Towards Currency --Hedging: Hedged Back to Local Currency: --% Max Allowed in Emerging
Markets: ----

Nο

### **Fundamental Characteristics**

 Current Cash Position:
 3.3%

 Annual Turnover (LTM):
 53%

 Current P / E (12-mo Trailing):
 24.11x

 Current P / B (12-mo Trailing):
 2.33x

 Current P / S (12-mo Trailing):
 1.03x

 Earnings Growth (Past 5 Yrs):
 -- 

 Weighted Avg. Mkt Cap (M):
 \$852

 Median Market Cap (M):
 \$340

# Market Capitalization Breakdown

# Performance Information

Derivatives Utilized:

	USD

		Returns								
Trailing Periods	Product	Benchmark	Excess	Std Dev		Alpha	Beta	Trk Error	Info Ratio	Sharpe Ratio
1 Year	17.95	21.91	-3.96	19.48		-0.37	0.84	6.93	-0.57	0.64
2 Year	13.62	15.33	-1.72	23.02		-0.26	0.91	7.56	-0.23	0.36
3 Year	-1.10	-2.24	1.14	25.58		1.19	0.96	7.14	0.16	-0.20
4 Year	5.10	-1.47	6.57	24.64		6.80	0.96	8.03	0.82	0.08
5 Year	10.03	5.72	4.31	28.64		4.56	0.98	8.41	0.51	0.26
6 Year	11.71	8.47	3.24	27.09		3.56	0.97	8.32	0.39	0.34
7 Year	9.32	4.90	4.41	26.19		4.67	0.96	8.16	0.54	0.26
8 Year	11.46	6.30	5.16	24.66		5.38	0.95	7.84	0.66	0.38
9 Year	11.16	6.36	4.79	23.81		5.11	0.93	7.91	0.61	0.39
10 Year	9.12	5.30	3.82	22.95		4.22	0.91	8.13	0.47	0.32
Since Inception (10/2007)	9.75	5.79	3.95	23.60		4.24	0.94	7.71	0.51	0.36
Returns	MRQ	١	YTD	2023	2022	2021	2020	2019	2018	2017
Product	10.54	17	7.95	9.44	-25.06	26.14	32.15	20.53	-4.02	27.71
Benchmark	11.55	21	.91	9.11	-29.76	0.88	40.13	23.33	-14.18	16.65
Excess	-1.01	-3	3.96	0.33	4.70	25.26	-7.98	-2.80	10.16	11.06

# Fee Information

Vehicle Type	Available	Min. Size (M)	Minimum Fee
Separate / Segregated	Open	\$3.00	\$30,000.00
Pooled / Commingled	Not Available		
Institutional MFs	Not Available		

Fees By Acct. Size	\$25M	\$50M	\$75M	\$100M
Separate / Segregated	\$240,000	\$445,000	\$645,000	\$845,000
	96 bps	89 bps	86 bps	85 bps
Pooled / Commingled				
Institutional MFs				

# Professional Information

Team Description	No.	Avg. Yrs. Exp.	Avg. Yrs. @ Firm
Portfolio Managers	1	40	19
Research Analysts	3	25	16
Traders	0	0	0
Risk Portfolio / Monitoring	0	0	0

Professional Turnover		Portfolio Mgrs.	Analysts	
Professionals Gained	MRQ	0	0	
	2024	0	0	
	2023	0	0	
Professionals Lost	MRQ	0	0	
	2024	0	0	
	2023	0	1	



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United States - Equity eVestment US Micro Cap Growth Equity Ken Rogers Marketing Contact 914-251-1084 / ken@arrowpartners.com

### **Kev Facts**

Primary Capitalization: Primary Style Emphasis Preferred Benchmark: Total Product Assets: Total Product Accounts Product Offered As:

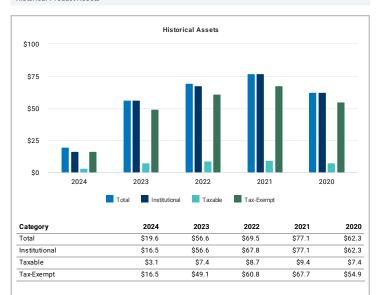
Investment Focus: Status:

Micro Cap Growth Russell Microcap Growth 8 SA Long Only

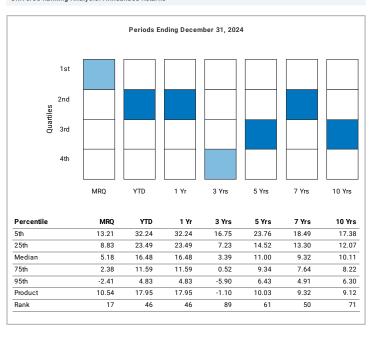
Active

## Historical Product Assets & Universe Ranking Analysis vs US Micro Cap Equity

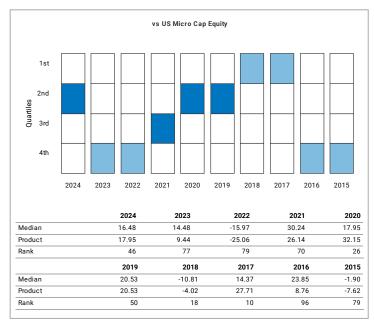
## Historical Product Assets



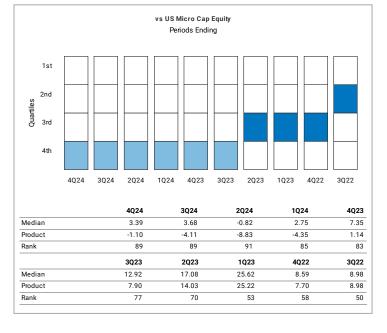
## Universe Ranking Analysis: Annualized Returns



# Universe Ranking Analysis: Calendar Year Returns



# Universe Ranking Analysis: Rolling 3-Year Returns





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#### General Information

Asset Class: Primary Universe: Marketing Contact: Title: Phone / Fax Email Address: United States - Equity eVestment US Micro Cap Growth Equity

Ken Rogers Marketing Contact 914-251-1084 / ken@arrowpartners.com

### Kev Facts

Status:

Primary Capitalization: Primary Style Emphasis: Preferred Benchmark: Total Product Assets: Total Product Accounts: Product Offered As: Investment Focus: Micro Cap Growth

Russell Microcap Growth

\$19.6 8 SA Long Only Active

# Peer Group Statistics & Ranking vs US Micro Cap Equity



Product Base Currency of US Dollar (USD)

Track Record: USA - SA - Composite - Essex Micro Cap Growth Strategy - Gross of Fees Risk Index: Russell Microcap Growth Risk-Free Index: FTSE 3-Month T-Bill Frequency: Monthly

# Three Year Statistics vs US Micro Cap Equity vs Russell Microcap Growth



Product Base Currency of US Dollar (USD)

Track Record: USA - SA - Composite - Essex Micro Cap Growth Strategy - Gross of Fees Risk Index: Russell Microcap Growth Risk-Free Index: FTSE 3-Month T-Bill Frequency: Monthly

### General Information

Asset Class: Primary Universe: Marketing Contact: Phone / Fax

Email Address

United States - Equity eVestment US Micro Cap Growth Equity Ken Rogers

Marketing Contact 914-251-1084 / ken@arrowpartners.com

#### **Kev Facts**

Status:

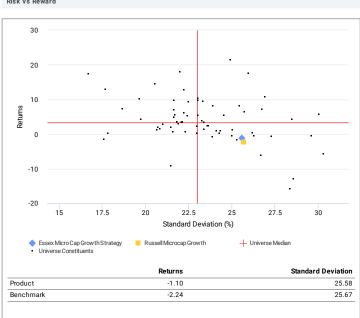
Primary Capitalization: Primary Style Emphasis Preferred Benchmark: Total Product Assets: Total Product Accounts Product Offered As: Investment Focus:

Micro Cap Growth Russell Microcap Growth

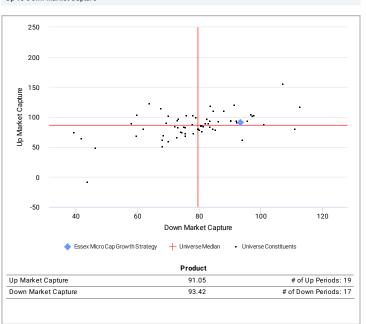
8 SA Long Only Active

## Risk vs Reward & Market Capture Analysis: 3 Years vs US Micro Cap Equity

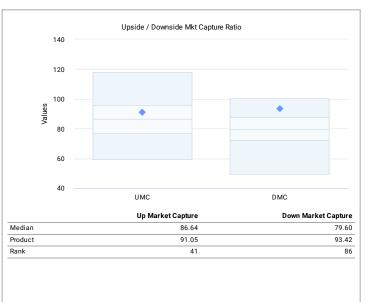
## Risk vs Reward



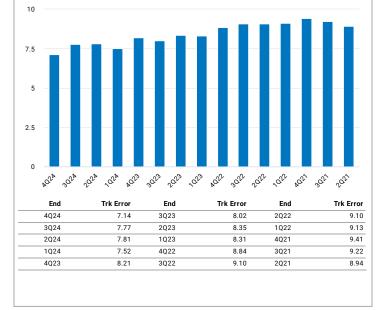
## Up vs Down Market Capture



# Market Capture Analysis: 3 Years



# Tracking Error: Rolling 3-Year Periods





Period	Gross Return (%)	Net Return (%)	Benchmark Return (%)	Number of Portfolios	Total Composite Assets (USD Millions)	Total Firm Assets (USD Millions)	Composite Assets as a % of Total Firm Assets	Dispersion	Composite 3-year Standard Deviation (%)	Benchmark 3-year Standard Deviation (%)
2013	78.3%	76.2%	52.8%	≤ 5	\$5.8	\$740	0.8%	-	18.6%	18.5%
2014	4.4%	3.4%	4.3%	≤ 5	\$5.3	\$683	0.8%	-	15.7%	16.5%
2015	-7.6%	-8.6%	-3.9%	≤ 5	\$1.8	\$677	0.3%	-	15.7%	17.6%
2016	8.8%	7.7%	6.9%	≤ 5	\$12.5	\$606	2.1%	-	13.7%	19.4%
2017	27.7%	26.5%	16.7%	≤ 5	\$40.6	\$765	5.3%	-	12.6%	17.0%
2018	-4.0%	-5.0%	-14.2%	≤ 5	\$32.9	\$622	5.3%	-	15.4%	18.5%
2019	20.5%	19.3%	23.3%	6	\$77.4	\$713	10.9%	0.2	16.1%	17.8%
2020	32.2%	30.9%	40.1%	≤ 5	\$62.3	\$786	7.9%	-	28.0%	28.0%
2021	26.1%	24.9%	0.9%	≤ 5	\$77.1	\$837	9.2%	-	28.0%	27.1%
2022	-25.1%	-25.8%	-29.8%	7	\$70.0	\$618	11.2%	0.1	31.7%	30.1%
2023	9.4%	8.4%	9.1%	≤ 5	\$57.0	\$610	9.3%	-	25.9%	24.7%

Essex Investment Management Company, LLC ("Essex") claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Essex has been independently verified for the periods January 1, 1993 through December 31, 2023. A firm that claims compliance with the GIPS standards must establish policies and procedures for complying with all the applicable requirements of the GIPS standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS standards and have been implemented on a firm-wide basis. The Micro Cap Growth composite has had a performance examination for the periods October 1, 2007 through December 31, 2023. The verification and performance examination reports are available upon request. GIPS® is a registered trademark of CFA Institute does not endorse or promote this organization, nor does it warrant the accuracy or quality of the content contained herein.

#### Notes

1.Organization: Essex Investment Management Company, LLC ("Essex") is an independently owned investment management firm founded in 1976. Essex is a registered investment adviser with the SEC. The firm offers investment management services to individuals, institutional investors, separately managed sub-advisory account programs, and sub-advisory management services to mutual funds. When used herein, the term Essex also refers to the firm's predecessor, Essex Investment Management Company, Inc. On January 1, 2005, the Burridge Growth Partners division of the former The Burridge Group LLC merged with Essex. Burridge Growth Partners' portfolio manager, analysts and investment decision making process remained in tact and its separately managed accounts continued under Essex's management.

2.Composite Definition: This composite includes all actual, fee-paying, fully discretionary accounts managed by Essex to seek capital appreciation by investing in micro capitalization growth companies. The use of leveraging, short positions and derivatives has not been used by any of the accounts. The composite was created on March 13, 2008. The composite inception date is October 1, 2007.

3.Benchmark: The Russell Micro Cap® Growth Index contains those securities in the Russell Micro Cap Index with a greater-than average growth orientation, and includes reinvestment of dividends. The Russell Micro Cap® Growth Index is a trademark of Russell Investments. Russell Investments is the owner of the trademarks, service marks and copyrights related to its respective indexes. An index is unmanaged, does not incur fees or expenses, and cannot be invested in directly. Benchmark returns are not covered by the report of independent verifiers.

4.Dispersion & Standard Deviation: Essex uses an asset-weighted standard deviation calculation based on gross returns to measure dispersion. Only portfolios that are included in the composite for the entire year have been included in the dispersion calculation; it is not presented for periods less than one year or when there are five or fewer portfolios in the composite. The three-year annualized standard deviation measures the variability of the composite and the benchmark returns over the preceeding 36 month period. The three-year annualized standard deviation is calculated using gross performance numbers.

5.Fees: The standard advisory fee is: For all accredited investor accounts 1.0% on all assets. Essex's standard advisory fee schedules are described in its Part II of Form ADV. The above net returns are based on a model 1.0% advisory fee which is applied monthly to calculate the net performance numbers.

6.Calculation Methodology: Gross performance results presented are net of transaction costs, but before management fees, custody fees and other indirect expenses. Net performance results are presented net of the maximum applicable management fees, transaction costs, and direct expenses, but before custody fees and other indirect expenses. The net-of-fee returns are calculated by reducing monthly composite returns by a model fee of 0.083%. This equates to a model annual fee of 1.0% which is the highest tier of the standard fee schedule. This composite does not incur any performance-based fees or carried interest. Composite returns include the reinvestment of income and class action proceeds, if applicable. Actual returns will be reduced by investment advisory fees are generally collected quarterly, which produces a compounding effect on the total rate of return net of management fees. As an example, the effect of investment advisory fees on the total value of a client's portfolio assuming \$1,000,000 investment, portfolio return of 10% a year, and a 1.0% annual investment advisory fee would be \$10,577 in the first year, and cumulative effects of \$63,180 over five years. The five year compounded gross rate of return of 61.1% would be reduced to 53.2% after taking into account advisory fees. The actual fee charged to an individual account may differ from the standard schedule depending on a number of factors including account type and size.

7.Other Matters/Disclosures: A complete list of the firm's composites descriptions and a list of limited distribution pooled fund descriptions are available upon request. Policies for valuing investments, calculating performance, and preparing GIPS Reports are available upon request. Clients or prospective clients should not assume they will have an investment experience similar to that indicated by the past performance results of the composite. Valuations and returns are computed and stated in U.S. Dollars. Past composite performance is not necessarily predictive of how an investors' individual account will perform. Whenever the potential for profit exists, there is also the potential for loss. This document has been approved for use in one-on-one presentations only and Essex requires that third party consultants provide this performance information and the related disclosures only in one-on-one presentations. Registration as an investment adviser with the SEC does not imply a certain level of skill or training. Such registration in no way implies that the Securities and Exchange Commission approves or endorses Essex, its strategies, or any of its marketing materials. Policies for valuing investments, calculating performance, and preparing GIPS Reports are available upon request.

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- Risks of Micro Cap portfolios: Essex Micro Cap Growth portfolio returns may show a high level of variability and volatility. In addition to market risk, additional risks in these portfolios may result from Essex's selection of specific securities, since individual holdings may represent a significant percentage of a portfolio's holdings from time to time. Sources: portfolio characteristics, top ten holdings, and sector weights calculated internally by Essex. Performance Calculations: performance returns are of the Essex Micro Cap Growth Composite, inception 10/1/07. Returns include reinvestment of dividends and other earnings. The Essex Micro Cap Growth Composite includes all fully discretionary accounts managed by Essex to seek capital appreciation by investing in Micro Capitalization growth componies. The securities with a greater-than average growth orientation, and includes reinvestment of dividends. The Russell Micro Cap Growth Index ® contains those securities with a greater-than average growth orientation, and includes reinvestment of dividends. The Russell Micro Cap Growth Index ® is a trademark of Russell Investments is the owner of the trademarks, service marks and copyrights related to its respective indexes. The volatility of the indices may be materially different from the individual performance attained by a specific investor. In addition, the Adviser's/Fund's holdings may differ significantly from the securities that comprise the indices. The indices have not been selected to represent an appropriate benchmark to compare an investor's performance, but rather are disclosed to allow for comparison of an investor's performance to that of certain well-known and widely recognized indices. An index is unmanaged, does not incur fees or expenses, and cannot be invested in directly. Composite returns include the reinvestment of dividends and are presented in USD. Gross performance results presented are net of transaction costs, withholding taxes and direct expenses, but before management fees, custody f
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## **IMPORTANT DISCLOSURES:**

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Representative portfolio characteristics, holdings, sector weightings and market capitalization are based on a representative portfolio and are subject to change at any time. Holdings, sector weightings, market capitalization and portfolio characteristics of individual client portfolios may differ, sometimes significantly, from those shown. This information does not constitute, and should not be construed as, investment advice or recommendations with respect to the securities and sectors listed. Past performance is no guarantee of future results. Performance is preliminary and subject to change. There is no guarantee that the Portfolio's objective will be met. This does not constitute an offer to sell or the solicitation of an offer to purchase any security or investment product, nor does it constitute a recommendation to invest in any particular security. An investment in securities is speculative and involves a high degree of risk and could result in the loss of all or a substantial portion of the amount invested. There can be no assurance that the strategy described herein will meet its objectives generally, or avoid losses. Essex makes no warranty or representation, expressed or implied; nor does Essex accept any liability, with respect to the information and data set forth herein, and Essex specifically disclaims any duty to update any of the information and data contained in the commentary. This information and data does not constitute legal, tax, account, investment or other professional advice.