

MEGA LIFESCIENCES

THAILAND / COMMERCE

MEGA TB

FSSIA ESG rating



BUY

UNCHANGED

TARGET PRICE	THB56.00
CLOSE	THB42.00
UP/DOWNSIDE	+33.3%
PRIOR TP	THB65.00
CHANGE IN TP	-13.8%
TP vs CONSENSUS	+6.4%

Short-term pain long-term gain

- We have trimmed our 2023-25 core profit projection by 4-6% on our more cautious view of MEGA's sales revenue.
- The projected negative growth in 2023 is in line with the industry.
- Maintain BUY with our new TP of THB56.

Our 2023-25 profit projection trimmed by 4-6%

We have trimmed our 2023-25 core profit projection by 4-6% on our more cautious view of MEGA's sales revenue from its branded (Mega We Care) and Maxxcare distribution units. MEGA's revenue and core profit in 9M23 slid 2% y-y and 4% y-y, respectively. In 3Q23, revenue from its branded business fell 6% q-q while revenue from distribution slipped 3% q-q. Although 4Q23 operation should improve from its high season, headwinds ahead may hinder the company's growth given the current situation in Myanmar, one of its major markets, and soft purchasing power in many regions.

Slow growth in line with industry

According to our new estimates, MEGA's core profit should decline by 1% y-y in 2023 before growing 7% y-y and 8% y-y in 2024-25, implying a 7% CAGR during 2023-25. The expected negative profit growth in 2023 is in line with most of its local and global peers, who also face high inflation, rising interest rates, exchange rate fluctuation, and high competition.

Long-term outlook still promising

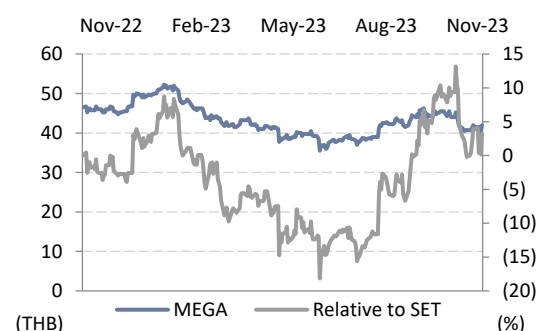
Despite our projection revision, we still like the company as MEGA is a leading brand in the health and wellness industry in 36 developing countries, and its Mega We Care branded products are long-established and well-recognized in Southeast Asia and Africa. Its longer-term outlook is still promising, as the company has hundreds of drugs in the pipeline awaiting registration, and is scheduled to launch roughly 20 new pharmaceuticals, vitamins, and supplements every year. With its plant in Indonesia preparing to register many medicines, management targets sales of USD30m-50m in Indonesia in the next 2-3 years.

Maintain BUY with our new TP of THB56

We have also adjusted some variables in our DCF model and derived our 2024 TP of THB56 (8.2% WACC, 3.5% LTG). This implies 20.2x 2024E P/E, equal to its five-year average. Its current share price is trading on 15.2x 2024E P/E, -1SD of its five-year average P/E, and lower than its local and global peers' average. We maintain our BUY call.

KEY STOCK DATA

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	15,686	15,447	16,573	17,695
Net profit	2,242	2,063	2,415	2,597
EPS (THB)	2.57	2.37	2.77	2.98
vs Consensus (%)	-	(7.7)	(3.2)	(4.6)
EBITDA	3,033	2,982	3,129	3,350
Recurring net profit	2,380	2,263	2,415	2,597
Core EPS (THB)	2.73	2.60	2.77	2.98
Chg. In EPS est. (%)	-	(5.6)	(4.5)	(3.8)
EPS growth (%)	30.2	(4.9)	6.7	7.6
Core P/E (x)	15.4	16.2	15.2	14.1
Dividend yield (%)	2.0	1.9	2.2	2.3
EV/EBITDA (x)	11.3	11.3	10.7	10.0
Price/book (x)	4.2	3.8	3.5	3.3
Net debt/Equity (%)	(27.0)	(30.0)	(30.0)	(29.3)
ROE (%)	28.4	24.6	24.2	24.1



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(6.1)	0.6	(8.7)
Relative to country (%)	(5.0)	8.6	4.1
Mkt cap (USD m)	1,044		
3m avg. daily turnover (USD m)	3.4		
Free float (%)	40		
Major shareholder	Unistretch Co Ltd (50%)		
12m high/low (THB)	52.50/34.75		
Issued shares (m)	871.87		

Sources: Bloomberg consensus; FSSIA estimates



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Investment thesis

Although demand for nutraceutical products in 2023 may be soft as the panic buying during the pandemic fades, we believe its longer-term outlook is promising. The pharmaceutical drug demand should continue to rise due to the need to treat chronic diseases, while MEGA now has more than 170 drugs in the pipeline awaiting registration. The company has scheduled market launches for roughly more than 20 new pharmaceuticals in 2023. In addition, its manufacturing plant in Indonesia – of which MEGA acquired an 83.3% stake in 2020 – can now register many medicines, including cancer drugs.

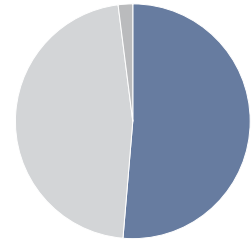
Company profile

MEGA is a leading manufacturer and distributor of pharmaceutical, nutraceutical products and fast-moving consumer goods (FMCG) in developing countries such as Myanmar, Vietnam and Cambodia. MEGA also develops, manufactures, and sells its nutraceutical products, generic prescription pharmaceutical products, and OTC products under Mega We Care brand through its distribution network and third-party distributors in 36 countries across the world.

www.megawecare.com

Principal activities (revenue, 2022)

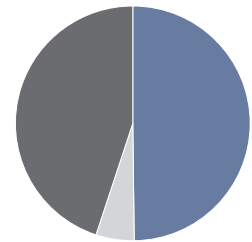
- Mega We Care - 51.3 %
- Maxxcare - 46.7 %
- OEM - 2.0 %



Source: Mega Lifesciences

Major shareholders

- Unistretch Co Ltd - 49.8 %
- Mr. Vivek Dhawan - 5.3 %
- Others - 44.9 %



Source: Mega Lifesciences

Catalysts

Key potential catalysts include 1) expedited medicine registrations and listings; 2) the Covid-19 pandemic; and 3) the success of new products and new markets.

Risks to our call

Downside risks to our DCF-based TP include 1) the delayed registration process in many countries; 2) more intensified competition; 3) failure in introducing new products; and 4) risks associated with doing business in Myanmar.

Event calendar

Date	Event
February 2024	2023 earnings announcement

Key assumptions

	(unit)	2023E	2024E	2025E
Mega We Care	(THB m)	7,931	8,534	9,097
<i>Growth</i>	(%)	(1.5)	7.6	6.6
Gross margin	(%)	65.0	63.2	63.2
Maxxcare	(THB m)	7,248	0	8,298
<i>Growth</i>	(%)	(1.0)	0.0	7.0
Gross margin	(%)	23.5	22.7	23.0
SG&A to sales	(%)	27.3	27.0	26.8

Source: FSSIA estimates

Earnings sensitivity

- For every 5% change in branded revenue, we project MEGA's 2024 net profit to change by 6%, all else being equal.
- For every 5% change in distribution revenue, we project MEGA's 2024 net profit to change by 1%, all else being equal.
- For every 1% change in overall gross margin, we project MEGA's 2024 net profit to change by 6%, all else being equal.

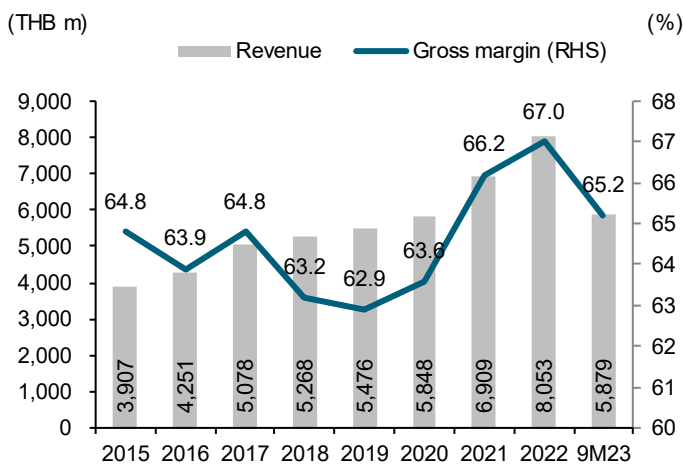
Source: FSSIA estimates

Exhibit 1: Key changes of assumption

	Current			Previous			Change		
	2023E (THB m)	2024E (THB m)	2025E (THB m)	2023E (THB m)	2024E (THB m)	2025E (THB m)	2023E (%)	2024E (%)	2025E (%)
Total revenue	15,447	16,573	17,695	16,827	17,939	19,304	(8.2)	(7.6)	(8.3)
Mega We Care	7,931	8,534	9,097	8,261	8,748	9,361	(4.0)	(2.5)	(2.8)
Maxxcare	7,208	7,712	8,252	8,218	8,818	9,541	(12.3)	(12.5)	(13.5)
OEM	308	327	346	348	373	402	(11.5)	(12.3)	(13.9)
Cost of goods sold	8,538	9,334	9,948	9,642	10,329	11,161	(11.4)	(9.6)	(10.9)
Gross profit	6,909	7,239	7,748	7,185	7,610	8,143	(3.9)	(4.9)	(4.9)
EBITDA	2,982	3,129	3,350	3,131	3,297	3,542	(4.8)	(5.1)	(5.4)
Core profit	2,263	2,415	2,597	2,397	2,529	2,701	(5.6)	(4.5)	(3.8)
Key ratios	(%)	(%)	(%)	(%)	(%)	(%)	(ppt)	(ppt)	(ppt)
Gross margin	44.7	43.7	43.8	42.7	42.4	42.2	2.0	1.3	1.6
Mega We Care	64.8	63.2	63.2	67.6	67.5	67.5	(2.8)	(4.3)	(4.3)
Maxxcare	23.4	22.7	23.0	18.0	17.9	17.7	5.4	4.9	5.3
SG&A to sales	27.7	27.0	27.0	26.3	26.1	25.8	1.5	0.9	1.2
EBITDA margin	19.3	18.9	18.9	18.6	18.4	18.3	0.7	0.5	0.6
Core profit margin	14.6	14.6	14.7	14.2	14.1	14.0	0.4	0.5	0.7

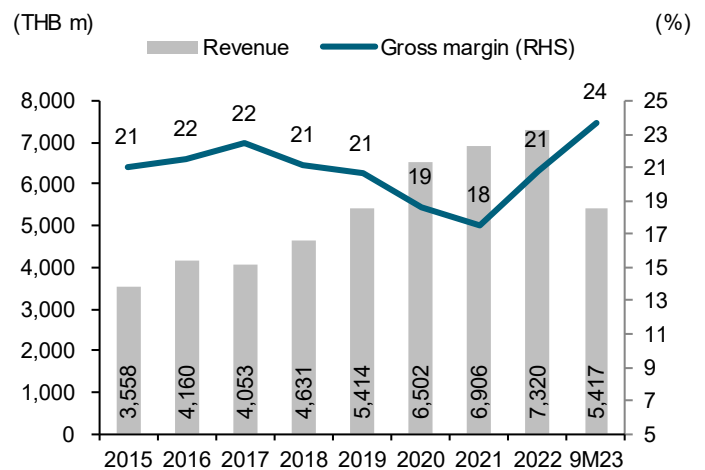
Sources: MEGA, FSSIA estimates

Exhibit 2: Revenue and gross margin from brand business



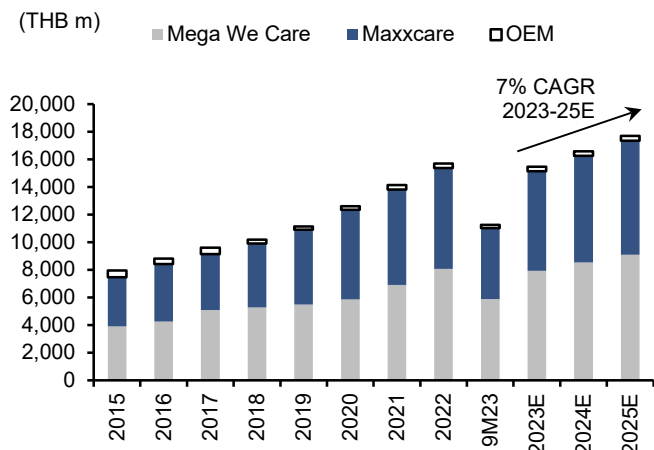
Sources: MEGA, FSSIA's compilation

Exhibit 3: Revenue and gross margin from distribution business



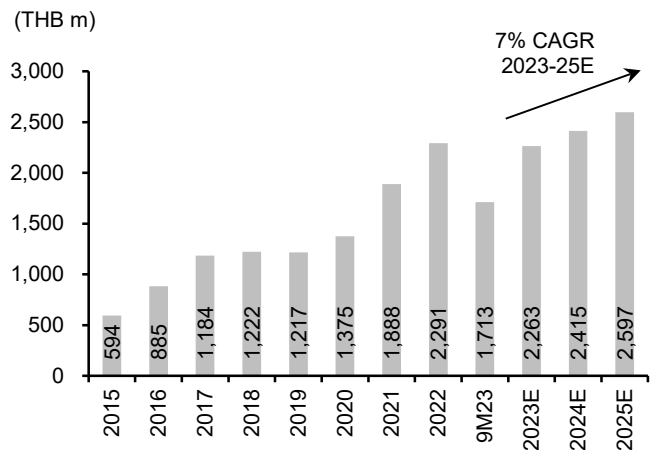
Sources: MEGA, FSSIA's compilation

Exhibit 4: Revenue breakdown



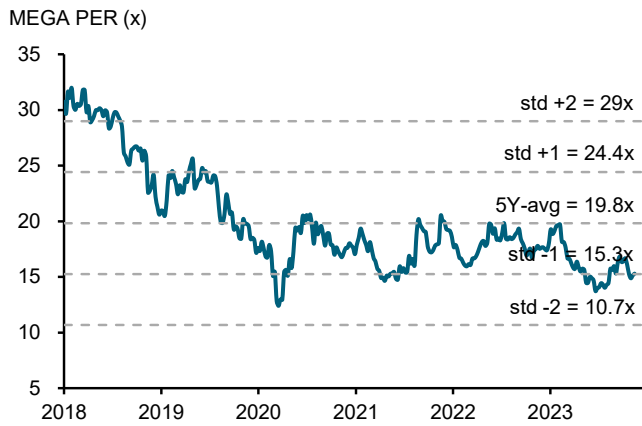
Sources: MEGA, FSSIA estimates

Exhibit 5: Core profit



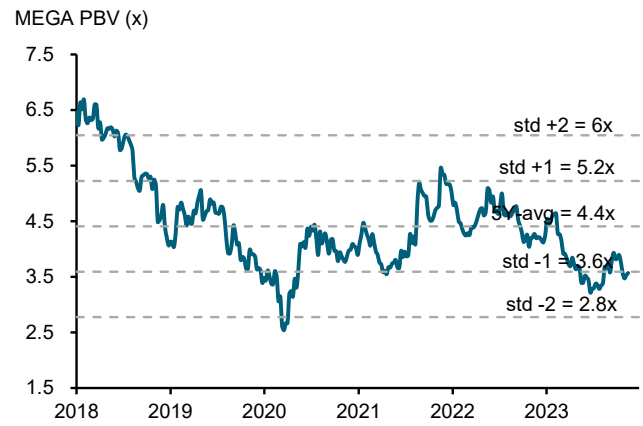
Sources: MEGA, FSSIA estimates

Exhibit 6: One-year rolling forward P/E band



Sources: Bloomberg, FSSIA estimates

Exhibit 7: One-year rolling forward P/BV band



Sources: Bloomberg, FSSIA estimates

Exhibit 8: DCF-based valuation

Cost of equity assumption	(%)	Cost of debt assumption	(%)
Risk free rate	3.0	Pre-tax cost of debt	3.9
Market risk premium	8.5	Tax rate	15.0
Stock beta	0.9		
Cost of equity, Ke	10.9	Cost of debt, Kd	1.1
Weight applied	65.9	Weight applied	34.1
WACC	8.2		
Terminal growth	3.5		
(THB m)			
Sum of PV of FCF	11,144		
PV of Terminal value	40,266		
Enterprise value	51,410		
Net debt	(2,238)		
Equity value	49,025		
No. of shares (m)	872		
Equity value per share (THB)	56.23		

Source: FSSIA estimates

Exhibit 9: Peers comparison

Company	BBG	Market Cap (USD m)	PE		ROE		PBV		EV/EBITDA		
			23E (x)	24E (x)	23E (%)	24E (%)	23E (x)	24E (x)	23E (x)	24E (x)	
Thailand											
Mega lifesciences*	MEGA TB	1,001	14.8	14.0	25.9	24.9	3.7	3.4	10.5	9.9	
Interpharma	IP TB	96	27.8	18.7	6.0	8.7	1.6	1.5	20.4	17.1	
Thailand average		1,097	21.3	16.4	15.9	16.8	2.6	2.4	15.5	13.5	
Regional											
Herbalife nutrition	HLF US	1,259	5.6	4.0	(21.3)	(37.9)	n/a	n/a	6.0	5.0	
Abbott laboratories	ABT US	174,057	22.6	21.7	19.8	20.3	4.6	4.5	17.9	16.8	
Bellring brands	BRBR US	5,952	34.6	29.0	(30.8)	(39.3)	n/a	n/a	20.5	18.4	
Usana health sciences	USNA US	876	15.6	15.0	12.5	11.9	1.8	1.6	4.8	5.1	
Natures sunshine	NATR US	328	26.5	23.6	8.6	9.5	n/a	n/a	6.6	6.3	
Pfizer	PFE US	168,094	19.0	9.5	7.8	15.5	1.9	1.9	17.0	7.9	
Astrazeneca	AZN LN	197,741	17.6	15.5	26.3	29.3	5.2	4.7	13.9	12.1	
Bayer AG	BAYN GR	43,527	6.7	6.6	15.9	16.8	1.1	1.0	7.3	6.8	
Roche holding	RO SW	217,520	13.6	12.4	45.3	41.1	5.8	4.9	9.4	8.8	
Novartis	NOVN SW	214,342	14.2	13.3	22.8	25.0	3.8	3.7	12.6	11.8	
JCR pharmaceuticals	4552 JT	1,078	19.9	18.6	14.8	15.7	2.7	2.5	12.9	11.8	
China feihe	6186 HK	5,525	8.8	8.0	18.0	18.0	1.5	1.4	5.0	4.6	
Health and happiness	1112 HK	903	7.8	6.4	12.7	14.4	1.0	0.9	6.5	6.1	
Huadong medicine	000963 CH	10,011	24.7	20.4	14.3	15.0	3.4	3.0	16.6	14.0	
Kalbe farma	KLBF IJ	4,861	24.1	20.8	14.5	15.3	3.4	3.1	15.7	14.0	
Dr.Reddy's laboratories	DRRD IN	11,218	23.3	18.5	18.9	19.7	4.1	3.4	14.2	11.7	
Gloxsmithkline pharmaceuticals	GLXO IN	3,218	43.2	42.3	26.7	34.4	12.8	14.6	30.7	30.9	
Regional average		2,121,023	19.3	16.8	13.3	13.2	3.8	3.7	12.8	11.3	
Overall average		1,061,609	19.5	16.8	13.6	13.6	3.6	3.5	13.1	11.5	

Share price as of 16-Nov-23; Sources: Bloomberg; *FSSIA estimates

Financial Statements

Mega Lifesciences

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Revenue	14,136	15,686	15,447	16,573	17,695
Cost of goods sold	(8,225)	(8,647)	(8,538)	(9,334)	(9,948)
Gross profit	5,911	7,040	6,909	7,239	7,748
Other operating income	47	80	70	71	76
Operating costs	(3,769)	(4,359)	(4,279)	(4,475)	(4,778)
Operating EBITDA	2,463	3,033	2,982	3,129	3,350
Depreciation	(274)	(272)	(283)	(294)	(304)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	2,188	2,761	2,699	2,835	3,046
Net financing costs	(28)	(29)	(36)	(24)	(23)
Associates	(2)	0	(1)	(1)	(1)
Recurring non-operating income	4	2	(2)	(3)	(2)
Non-recurring items	119	(138)	(200)	0	0
Profit before tax	2,283	2,596	2,462	2,808	3,020
Tax	(336)	(355)	(400)	(394)	(423)
Profit after tax	1,947	2,242	2,063	2,415	2,597
Minority interests	-	-	-	-	-
Preferred dividends	-	-	-	-	-
Other items	-	-	-	-	-
Reported net profit	1,947	2,242	2,063	2,415	2,597
Non-recurring items & goodwill (net)	(119)	138	200	0	0
Recurring net profit	1,828	2,380	2,263	2,415	2,597
Per share (THB)					
Recurring EPS *	2.10	2.73	2.60	2.77	2.98
Reported EPS	2.23	2.57	2.37	2.77	2.98
DPS	0.86	0.85	0.78	0.91	0.98
Diluted shares (used to calculate per share data)	872	872	872	872	872
Growth					
Revenue (%)	12.3	11.0	(1.5)	7.3	6.8
Operating EBITDA (%)	24.4	23.2	(1.7)	4.9	7.1
Operating EBIT (%)	27.0	26.2	(2.2)	5.0	7.4
Recurring EPS (%)	33.0	30.2	(4.9)	6.7	7.6
Reported EPS (%)	39.8	15.1	(8.0)	17.1	7.6
Operating performance					
Gross margin inc. depreciation (%)	41.8	44.9	44.7	43.7	43.8
Gross margin exc. depreciation (%)	43.8	46.6	46.6	45.5	45.5
Operating EBITDA margin (%)	17.4	19.3	19.3	18.9	18.9
Operating EBIT margin (%)	15.5	17.6	17.5	17.1	17.2
Net margin (%)	12.9	15.2	14.6	14.6	14.7
Effective tax rate (%)	14.7	13.7	16.2	14.0	14.0
Dividend payout on recurring profit (%)	41.0	31.1	30.1	33.0	33.0
Interest cover (X)	77.5	96.2	76.0	115.9	129.9
Inventory days	167.5	172.8	176.2	157.9	153.4
Debtor days	70.9	72.0	81.0	78.7	78.4
Creditor days	145.1	163.5	174.7	156.8	143.3
Operating ROIC (%)	40.7	52.3	47.1	46.1	(11.1)
ROIC (%)	27.5	34.7	31.8	31.6	(7.9)
ROE (%)	24.4	28.4	24.6	24.2	24.1
ROA (%)	14.9	17.2	15.4	15.8	16.1
* Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
	2021	2022	2023E	2024E	2025E
Mega We Care	6,909	8,053	7,931	8,534	9,097
Maxxcare	6,906	7,320	7,208	7,712	8,252
OEM	320	314	308	327	346

Sources: Mega Lifesciences; FSSIA estimates

Financial Statements

Mega Lifesciences

Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Recurring net profit	1,828	2,380	2,263	2,415	2,597
Depreciation	274	272	283	294	304
Associates & minorities	2	0	1	1	1
Other non-cash items	461	474	(186)	(458)	(505)
Change in working capital	74	(989)	(283)	(890)	(987)
Cash flow from operations	2,639	2,136	2,077	1,360	1,410
Capex - maintenance	-	-	-	-	-
Capex - new investment	(151)	(305)	(623)	(310)	(380)
Net acquisitions & disposals	-	-	-	-	-
Other investments (net)	(113)	24	(21)	0	0
Cash flow from investing	(265)	(281)	(644)	(310)	(380)
Dividends paid	(923)	(1,406)	(681)	(797)	(857)
Equity finance	0	0	0	0	0
Debt finance	(363)	2	(157)	(13)	19
Other financing cash flows	(28)	(30)	(36)	(24)	(23)
Cash flow from financing	(1,314)	(1,433)	(873)	(834)	(861)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	253	0	0	0	0
Net other adjustments	253	(165)	(200)	0	0
Movement in cash	1,314	257	360	216	168
Free cash flow to firm (FCFF)	2,402.87	1,884.18	1,468.41	1,074.81	1,053.05
Free cash flow to equity (FCFE)	2,236.65	1,662.78	1,040.23	1,012.97	1,025.23

Per share (THB)

FCFF per share	2.76	2.16	1.68	1.23	1.21
FCFE per share	2.57	1.91	1.19	1.16	1.18
Recurring cash flow per share	2.94	3.58	2.71	2.58	2.75

Balance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Tangible fixed assets (gross)	3,845	4,062	4,685	4,995	5,375
Less: Accumulated depreciation	(2,008)	(2,161)	(2,444)	(2,738)	(3,042)
Tangible fixed assets (net)	1,837	1,901	2,242	2,257	2,333
Intangible fixed assets (net)	1,353	1,329	1,381	1,413	1,405
Long-term financial assets	0	0	0	0	0
Invest. in associates & subsidiaries	215	223	244	244	244
Cash & equivalents	2,531	2,789	3,148	3,365	3,533
A/C receivable	2,808	3,382	3,470	3,678	3,927
Inventories	3,823	4,109	3,860	3,964	4,143
Other current assets	139	310	176	189	202
Current assets	9,301	10,590	10,655	11,195	11,804
Other assets	566	603	615	608	617
Total assets	13,272	14,646	15,135	15,718	16,403
Common equity	8,003	8,777	9,603	10,365	11,151
Minorities etc.	22	0	0	0	0
Total shareholders' equity	8,025	8,777	9,603	10,365	11,151
Long term debt	132	109	116	105	126
Other long-term liabilities	261	223	216	166	159
Long-term liabilities	393	332	332	271	285
A/C payable	3,533	3,972	3,930	3,836	3,734
Short term debt	224	312	148	146	144
Other current liabilities	1,096	1,254	1,123	1,100	1,090
Current liabilities	4,853	5,538	5,201	5,081	4,968
Total liabilities and shareholders' equity	13,272	14,646	15,135	15,718	16,404
Net working capital	2,141	2,575	2,453	2,895	3,447
Invested capital	6,111	6,632	6,934	7,417	8,047

* Includes convertibles and preferred stock which is being treated as debt

Per share (THB)

Book value per share	9.18	10.07	11.01	11.89	12.79
Tangible book value per share	7.63	8.54	9.43	10.27	11.18

Financial strength

Net debt/equity (%)	(27.1)	(27.0)	(30.0)	(30.0)	(29.3)
Net debt/total assets (%)	(16.4)	(16.2)	(19.1)	(19.8)	(19.9)
Current ratio (x)	1.9	1.9	2.0	2.2	2.4
CF interest cover (x)	85.5	69.5	47.8	55.1	61.0

Valuation	2021	2022	2023E	2024E	2025E
Recurring P/E (x) *	20.0	15.4	16.2	15.2	14.1
Recurring P/E @ target price (x) *	26.7	20.5	21.6	20.2	18.8
Reported P/E (x)	18.8	16.3	17.8	15.2	14.1
Dividend yield (%)	2.0	2.0	1.9	2.2	2.3
Price/book (x)	4.6	4.2	3.8	3.5	3.3
Price/tangible book (x)	5.5	4.9	4.5	4.1	3.8
EV/EBITDA (x) **	14.0	11.3	11.3	10.7	10.0
EV/EBITDA @ target price (x) **	19.0	15.3	15.4	14.6	13.6
EV/invested capital (x)	5.6	5.2	4.9	4.5	4.1

* Pre-exceptional, pre-goodwill and fully diluted ** EBITDA includes associate income and recurring non-operating income

Sources: Mega Lifesciences; FSSIA estimates

MEGA LIFESCIENCES PCL (MEGA TB)

FSSIA ESG rating

★ ★ ★

54.48 /100

Exhibit 10: FSSIA ESG score implication

Rating	Score	Implication
★★★★★	>79-100	Leading its industry peers in managing the most significant ESG risks which not only better cost efficiency but also lead to higher profitability.
★★★★	>59-79	A mixed track record of managing the most significant ESG risks and opportunities relative to industry peers.
★★★	>39-59	Relevant ESG materiality matrix has been constructively addressed, well-managed and incorporated into day-to-day operations, in which targets and achievements are evaluated annually.
★★	>19-39	Relevant ESG materiality matrix has been identified with key management in charge for progress to be followed up on and to provide intensive disclosure. Most targets are conventional and achievable.
★	1-19	The company has adopted the United Nations Sustainable Development Goals (UN SDGs), established sustainability management guidelines and fully complies with regulations or ESG suggested guidance from related organizations such as the SET and SEC.

Source: FSSIA estimates

Exhibit 11: ESG – peer comparison

	FSSIA ESG score	Domestic ratings						Global ratings						Bloomberg	
		DJSI	SET THSI	THSI	CG score	AGM level	Thai CAC	Morningstar ESG risk	ESG Book	MSCI	Moody's	Refinitiv	S&P Global	ESG score	Disclosure score
SET100	69.20	5.34	4.40	4.40	4.76	4.65	3.84	Medium	51.76	BBB	20.87	58.72	63.91	3.72	28.17
Coverage	67.12	5.11	4.15	4.17	4.83	4.71	3.53	Medium	52.04	BB	16.97	56.85	62.09	3.40	31.94
COM7	61.78	--	Y	Y	5.00	5.00	Certified	Low	47.75	--	--	52.68	21.00	4.40	43.59
MEGA	54.48	--	Y	Y	4.00	4.00	Declared	Medium	66.56	--	--	58.59	24.00	2.39	--
BJC	71.33	Y	Y	Y	4.00	4.00	--	Medium	55.09	A	--	65.19	89.00	2.16	--
CRC	64.49	--	Y	Y	5.00	5.00	Certified	Medium	--	BBB	--	60.98	73.00	2.90	47.27

Sources: SETTRADE.com; FSSIA's compilation

Exhibit 12: ESG score by Bloomberg

FY ending Dec 31	FY 2020	FY 2021	FY 2022
ESG financial materiality scores - ESG score	—	2.29	—
BESG environmental pillar score	—	1.86	—
BESG social pillar score	—	1.06	—
BESG governance pillar score	—	4.54	—
ESG disclosure score	44.34	53.36	—
Environmental disclosure score	29.84	44.22	—
Social disclosure score	19.44	32.16	—
Governance disclosure score	83.59	83.59	—
Environmental			
Emissions reduction initiatives	Yes	Yes	Yes
Climate change policy	Yes	Yes	No
Climate change opportunities discussed	No	No	No
Risks of climate change discussed	No	No	No
GHG scope 1	—	—	633
GHG scope 2 location-based	—	—	6
GHG Scope 3	—	—	0
Carbon per unit of production	—	—	—
Biodiversity policy	No	No	No
Energy efficiency policy	Yes	Yes	Yes
Total energy consumption	24	24	23
Renewable energy use	1	1	1
Electricity used	12	13	12
Fuel used - natural gas	—	—	914

Sources: Bloomberg; FSSIA's compilation

Exhibit 13: ESG score by Bloomberg (cont.)

FY ending Dec 31	FY 2020	FY 2021	FY 2022
Fuel used - crude oil/diesel	No	No	No
Waste reduction policy	Yes	Yes	Yes
Hazardous waste	—	—	0
Total waste	1	1	1
Waste recycled	0	0	—
Waste sent to landfills	—	—	—
Environmental supply chain management	Yes	Yes	No
Water policy	No	Yes	Yes
Water consumption	—	—	0
Social			
Human rights policy	Yes	Yes	Yes
Policy against child labor	Yes	Yes	Yes
Quality assurance and recall policy	No	Yes	Yes
Consumer data protection policy	Yes	Yes	Yes
Equal opportunity policy	Yes	Yes	Yes
Gender pay gap breakout	No	No	No
Pct women in workforce	56	56	56
Pct disabled in workforce	—	—	—
Business ethics policy	Yes	Yes	Yes
Anti-bribery ethics policy	Yes	Yes	Yes
Health and safety policy	Yes	Yes	No
Lost time incident rate - employees	0	0	—
Total recordable incident rate - employees	—	—	—
Training policy	Yes	Yes	Yes
Fair remuneration policy	No	No	No
Number of employees – CSR	5,714	6,021	5,767
Employee turnover pct	—	19	—
Total hours spent by firm - employee training	70,551	79,892	70,826
Social supply chain management	Yes	Yes	Yes
Governance			
Board size	10	10	10
No. of independent directors (ID)	4	4	4
No. of women on board	1	1	1
No. of non-executive directors on board	8	8	8
Company conducts board evaluations	Yes	Yes	Yes
No. of board meetings for the year	6	5	7
Board meeting attendance pct	100	96	94
Board duration (years)	3	3	3
Director share ownership guidelines	No	No	No
Age of the youngest director	32	33	34
Age of the oldest director	80	81	82
No. of executives / company managers	6	6	6
No. of female executives	1	1	1
Executive share ownership guidelines	No	No	No
Size of audit committee	3	3	3
No. of ID on audit committee	3	3	3
Audit committee meetings	4	4	4
Audit meeting attendance %	100	100	100
Size of compensation committee	3	3	3
No. of ID on compensation committee	1	1	1
No. of compensation committee meetings	2	2	2
Compensation meeting attendance %	100	100	100
Size of nomination committee	3	3	3
No. of nomination committee meetings	2	2	3
Nomination meeting attendance %	100	100	100
Sustainability governance			
Verification type	No	No	No

Sources: Bloomberg; FSSIA's compilation

Disclaimer for ESG scoring

ESG score	Methodology	Rating																												
The Dow Jones Sustainability Indices (DJSI) By S&P Global	The DJSI World applies a transparent, rules-based component selection process based on the companies' Total Sustainability Scores resulting from the annual S&P Global Corporate Sustainability Assessment (CSA). Only the top-ranked companies within each industry are selected for inclusion.	Be a member and invited to the annual S&P Global Corporate Sustainability Assessment (CSA) for DJSI. Companies with an S&P Global ESG Score of less than 45% of the S&P Global ESG Score of the highest scoring company are disqualified. The constituents of the DJSI indices are selected from the Eligible Universe.																												
Sustainability Investment List (THSI) by The Stock Exchange of Thailand (SET)	THSI quantifies responsibility in Environmental and Social issues by managing business with transparency in Governance, updated annually. Candidates must pass the preemptive criteria, with two crucial conditions: 1) no irregular trading of the board members and executives; and 2) free float of >150 shareholders, and combined holding must be >15% of paid-up capital. Some key disqualifying criteria include: 1) CG score of below 70%; 2) independent directors and free float violation; 3) executives' wrongdoing related to CG, social & environmental impacts; 4) equity in negative territory; and 5) earnings in red for > 3 years in the last 5 years.	To be eligible for THSI inclusion , verified data must be scored at a minimum of 50% for each indicator, unless the company is a part of DJSI during the assessment year. The scoring will be fairly weighted against the nature of the relevant industry and materiality. SETTHSI Index is extended from the THSI companies whose 1) market capitalization > THB5b (~USD150b); 2) free float >20%; and 3) liquidity >0.5% of paid-up capital for at least 9 out of 12 months. The SETTHSI Index is a market capitalisation-weighted index, cap 5% quarterly weight at maximum, and no cap for number of stocks.																												
CG Score by Thai Institute of Directors Association (Thai IOD)	An indicator of CG strength in sustainable development, measured annually by the Thai IOD, with support from the Stock Exchange of Thailand (SET). The results are from the perspective of a third party, not an evaluation of operations.	Scores are rated in six categories: 5 for Excellent (90-100), 4 for Very Good (80-89), 3 for Good (70-79), 2 for Fair (60-69), 1 for Pass (60-69), and not rated for scores below 50. Weightings include: 1) the rights; 2) and equitable treatment of shareholders (weight 25% combined); 3) the role of stakeholders (25%); 4) disclosure & transparency (15%); and 5) board responsibilities (35%).																												
AGM level By Thai Investors Association (TIA) with support from the SEC	It quantifies the extent to which shareholders' rights and equitable treatment are incorporated into business operations and information is transparent and sufficiently disclosed. All form important elements of two out of five the CG components to be evaluated annually. The assessment criteria cover AGM procedures before the meeting (45%), at the meeting date (45%), and after the meeting (10%). <i>(The first assesses 1) advance circulation of sufficient information for voting; and 2) facilitating how voting rights can be exercised. The second assesses 1) the ease of attending meetings; 2) transparency and verifiability; and 3) openness for Q&A. The third involves the meeting minutes that should contain discussion issues, resolutions and voting results.)</i>	The scores are classified into four categories: 5 for Excellent (100), 4 for Very Good (90-99), 3 for Fair (80-89), and not rated for scores below 79.																												
Thai CAC By Thai Private Sector Collective Action Against Corruption (CAC)	The core elements of the Checklist include corruption risk assessment, establishment of key controls, and the monitoring and developing of policies. The Certification is good for three years. <i>(Companies deciding to become a CAC certified member start by submitting a Declaration of Intent to kick off an 18-month deadline to submit the CAC Checklist for Certification, including risk assessment, in place of policy and control, training of managers and employees, establishment of whistleblowing channels, and communication of policies to all stakeholders.)</i>	The document will be reviewed by a committee of nine professionals. A passed Checklist will move for granting certification by the CAC Council approvals whose members are twelve highly respected individuals in professionalism and ethical achievements.																												
Morningstar Sustainalytics	The Sustainalytics' ESG risk rating provides an overall company score based on an assessment of how much of a company's exposure to ESG risk is unmanaged. <i>Sources to be reviewed include corporate publications and regulatory filings, news and other media, NGO reports/websites, multi-sector information, company feedback, ESG controversies, issuer feedback on draft ESG reports, and quality & peer reviews.</i>	A company's ESG risk rating score is the sum of unmanaged risk. The more risk is unmanaged, the higher ESG risk is scored. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>NEGL</th> <th>Low</th> <th>Medium</th> <th>High</th> <th>Severe</th> </tr> </thead> <tbody> <tr> <td>0-10</td> <td>10-20</td> <td>20-30</td> <td>30-40</td> <td>40+</td> </tr> </tbody> </table>	NEGL	Low	Medium	High	Severe	0-10	10-20	20-30	30-40	40+																		
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0-10	10-20	20-30	30-40	40+																										
ESG Book	The ESG score identifies sustainable companies that are better positioned to outperform over the long term. The methodology considers the principle of financial materiality including information that significantly helps explain future risk-adjusted performance. Materiality is applied by over-weighting features with higher materiality and rebalancing these weights on a rolling quarterly basis.	The total ESG score is calculated as a weighted sum of the features scores using materiality-based weights. The score is scaled between 0 and 100 with higher scores indicating better performance.																												
MSCI	MSCI ESG ratings aim to measure a company's management of financially relevant ESG risks and opportunities. It uses a rules-based methodology to identify industry leaders and laggards according to their exposure to ESG risks and how well they manage those risks relative to peers. <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">AAA</td> <td>8.571-10.000</td> <td style="text-align: right;">Leader:</td> <td>leading its industry in managing the most significant ESG risks and opportunities</td> </tr> <tr> <td style="text-align: right;">AA</td> <td>7.143-8.570</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">A</td> <td>5.714-7.142</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">BBB</td> <td>4.286-5.713</td> <td style="text-align: right;">Average:</td> <td>a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers</td> </tr> <tr> <td style="text-align: right;">BB</td> <td>2.857-4.285</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">B</td> <td>1.429-2.856</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">CCC</td> <td>0.000-1.428</td> <td style="text-align: right;">Laggard:</td> <td>lagging its industry based on its high exposure and failure to manage significant ESG risks</td> </tr> </table>	AAA	8.571-10.000	Leader:	leading its industry in managing the most significant ESG risks and opportunities	AA	7.143-8.570			A	5.714-7.142			BBB	4.286-5.713	Average:	a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers	BB	2.857-4.285			B	1.429-2.856			CCC	0.000-1.428	Laggard:	lagging its industry based on its high exposure and failure to manage significant ESG risks	
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Moody's ESG solutions	Moody's assesses the degree to which companies take into account ESG objectives in the definition and implementation of their strategy policies. It believes that a company integrating ESG factors into its business model and relatively outperforming its peers is better positioned to mitigate risks and create sustainable value for shareholders over the medium to long term.																													
Refinitiv ESG rating	Designed to transparently and objectively measure a company's relative ESG performance, commitment and effectiveness across 10 main themes, based on publicly available and auditable data. The score ranges from 0 to 100 on relative ESG performance and insufficient degree of transparency in reporting material ESG data publicly. <i>(Score ratings are 0 to 25 = poor; >25 to 50 = satisfactory; >50 to 75 = good; and >75 to 100 = excellent.)</i>																													
S&P Global	The S&P Global ESG Score is a relative score measuring a company's performance on and management of ESG risks, opportunities, and impacts compared to its peers within the same industry classification. The score ranges from 0 to 100.																													
Bloomberg	ESG Score	Bloomberg score evaluating the company's aggregated Environmental, Social and Governance (ESG) performance. The score is based on Bloomberg's view of ESG financial materiality. The score is a weighted generalized mean (power mean) of Pillar Scores, where the weights are determined by the pillar priority ranking. Values range from 0 to 10; 10 is the best.																												
Bloomberg	ESG Disclosure Score	Disclosure of a company's ESG used for Bloomberg ESG score. The score ranges from 0 for none to 100 for disclosure of every data point, measuring the amount of ESG data reported publicly, and not the performance on any data point.																												

Rating regarding the sustainable development of Thai listed companies, both on the SET and MAI, are publicly available on the website of the Securities and Exchange Commission of Thailand (SEC). Currently, ratings available are 1) "CG Score"; 2) "AGM Level"; 3) "Thai CAC"; and 4) THSI. The ratings are updated on an annual basis. FSSIA does not confirm nor certify the accuracy of such ratings.

Source: FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Jitra Amornthum FSS International Investment Advisory Securities Co., Ltd

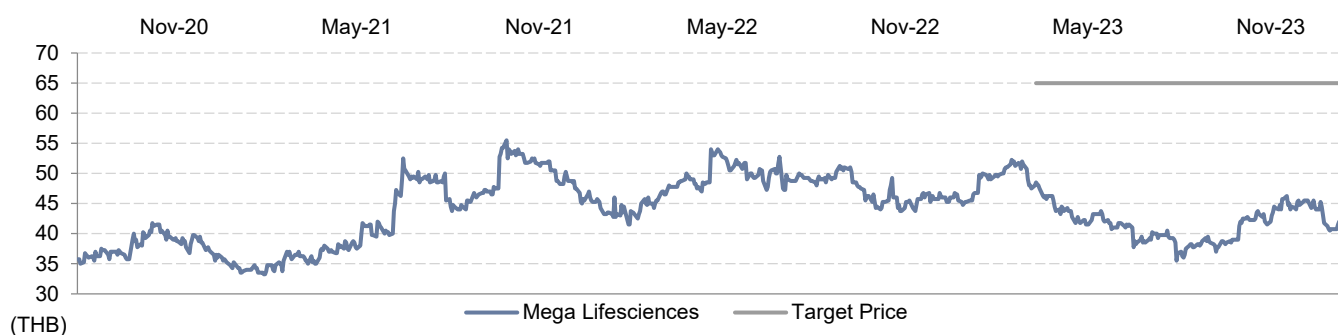
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History of change in investment rating and/or target price

Mega Lifesciences (MEGA TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
20-Feb-2023	BUY	65.00	-	-	-	-	-	-

Jitra Amornthum started covering this stock from 20-Feb-2023

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Mega Lifesciences	MEGA TB	THB 42.00	BUY	Downside risks to our DCF-based TP include 1) the delayed registration process in many countries; 2) more intensified competition; 3) failure in introducing new products; and 4) risks associated with doing business in Myanmar.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited.

All share prices are as at market close on 17-Nov-2023 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as $(\text{target price}^* - \text{current price}) / \text{current price}$.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

Neutral. The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

Underweight. The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.