

ENDRA Life Sciences Inc.

Q4 about inline and continued positive progress on commercialization. We believe expected positive FDA approval and EU/US product launch over the next year to drive stock. Lowering P/T to \$5.50.

Q4 about inline: ENDRA recently (on March 30) reported its Q4 2021 (ending December) results. Net loss was \$3.1 million or EPS of \$(0.07) compared with our and consensus estimates of (0.08) - (0.09). There was no Q4 guidance. ENDRA is a late stage medical device development/commercialization company so it generates minimal revenues.

Operating expense: Operating expenses were \$3.1 million, vs \$2.3 million (yoo-y) on R&D and commercialization expenses.

No 2022 guidance: Management did not provide specific 2022 guidance.

Adjusting 2022 estimates: We are adjusting our 2022 estimates for revenues to \$2.5 million, from \$4.0 million, and for EPS to \$(0.27) from \$(0.26).

Focused on TAEUS development: ENDRA has one main medical device candidate, the Thermo Acoustic Enhanced UltraSound (TAEUS) platform to enable clinicians to visualize human tissue composition, function and temperature in ways previously possible only with CT and MRI, but at a fraction of the cost and at the point-of-care.

EU launched: In March 2020, ENDRA received CE Mark approval, and is now starting initial commercialization activity in Europe. It now has four reference evaluation site in the EU (with expectations to start scans soon) and 4 active salespeople.

New FDA pathway: In June 2020, ENDRA filed its 501(k) application with the FDA. After extensive dialogue with the FDA, ENDRA is now (as of February 2022) pursuing the De Novo pathway for its TAEUS System (and withdrawing its 501(k) application), which is intended to characterize fatty liver tissue as a non-invasive means to assess and monitor Non-Alcoholic Fatty Liver Disease (NAFLD). We estimate that the company will file within the next 6 months. We note that key commercialization activities have already started, including a major distribution deal in Vietnam.

8 evaluation sites: ENDRA has 3 U.S. reference evaluation sites, 4 in the EU, and has just added a site in China. These sites will be used to bolster clinical evidence and further establish the clinical utility of the TAEUS device for assessing NAFLD-NASH.

Large market opportunity: The company is launching its first TAEUS application to measure fat in the liver, which is used for early detection and monitoring of Non-Alcoholic Fatty Liver Disease (NAFLD). In 2011, over 1.4 billion people were affected by NAFLD/NASH around the world. Despite the increased incidence of NAFLD, there are no low-cost, accurate, and safe methods for measuring fat in the liver. TAEUS technology should enable to diagnose NAFLD earlier and monitor patients with related liver diseases more accurately and cost-effectively than is possible with existing technology.

Positive high risks versus rewards: Though we acknowledge that ENDRA's devices are at/near approvals and launch, there is still a long road to successful commercialization. However, we believe the ~billion dollars market potentials presents a high reward for the high risks.

Current valuation attractive: Maintaining our BUY rating, but lowering our 12-month price target to \$5.50 from \$6.25. This is based on a NPV analysis, representing significant upside from the current share price. We believe this valuation appropriately balances out the company's high risks with the company's high growth prospects and large upside opportunities.

Company Description

Based in Ann Arbor, MI, ENDRA Life Sciences is a clinical-stage medical device company focused on developing enhanced ultrasound technologies (TAEUS) for medical imaging.

United States Healthcare

April 12, 2022

Edward Woo, CFA (949) 259-4932 ewoo@ascendiant.com

Stock Data

Exchange: NasdagCM \$0.28 - 2.63 52-week Range: Shares Outstanding (million): 42 Market cap (\$million): \$13 EV (\$million): \$3 Debt (\$million): \$0 Cash (\$million): \$10 Avg. Daily Trading Vol. (\$million): ~\$1 Float (million shares): 39 ~1 Short Interest (million shares): \$0 (NA%) Dividend, annual (yield):

Revenues (US\$ million)

	2022E	2022E	2023E	2023
	(Cur.)	(Old)	(Cur.)	(Old
Q1 Mar	0.0E	0.3E	1.0E	
Q2 Jun	0.1E	0.9E	1.5E	
Q3 Sep	0.5E	1.0E	1.5E	
Q4 Dec	1.9E	1.8E	2.0E	
Total	2.5E	4.0E	6.0E	
EV/Revs	1.2x		0.5x	

Earnings per Share (pro forma)

	2022E (Cur.)	2022E (Old)	2023E (Cur.)	2023E (Old)
Q1 Mar	(0.08)E	(0.07)E	(0.06)E	
Q2 Jun	(0.07)E		(0.06)E	
Q3 Sep	(0.07)E	(0.06)E	(0.06)E	
Q4 Dec	(0.05)E	(0.06)E	(0.05)E	
Total	(0.27)E	(0.26)E	(0.23)E	
P/E	N/A		N/A	

Important Disclosures

Ascendiant Capital Markets LLC seeks to do business with companies covered by its research team. Consequently, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making an investment decision.

For analyst certification and other important disclosures, refer to the Disclosure Section, located at the end of this report, beginning on page 11.



Rating: BUY

Ticker: NDRA

Price: \$0.32

Target: \$5.50 (from \$6.25)

NDRA: ENDRA Life Sciences Inc.



Exhibit 1: Q4 and Recent Highlights

- Achieved clarity on the U.S. regulatory strategy for the TAEUS system. After extensive and productive dialogue with the U.S. Food and
 Drug Administration (FDA), ENDRA is now pursuing the De Novo pathway for its TAEUS System, which is intended to characterize fatty liver
 tissue as a non-invasive means to assess and monitor Non-Alcoholic Fatty Liver Disease (NAFLD). The De Novo request will build upon
 ENDRA's completed 510(k) submission and the pathway provides ENDRA with the opportunity to set the bar for an entirely new product
 classification, which should yield important and sustainable commercial advantages for the TAEUS platform. The company intends to
 include clinical data from a subset of its existing global clinical research partnerships to satisfy the data requirements for the De Novo
 request as rapidly as possible.
- Expanded into China with an eighth clinical study partner. ENDRA's latest research partnership, with China's renowned Shanghai General
 Hospital (Shanghai First People's Hospital Affiliated with Shanghai Jiao Tong University), further validates ENDRA's technology and provides
 a strategic entry point into China's healthcare market, which seeks to deliver cost-effective services to 14 billion citizens including an
 estimated 350 million people with NAFLD and Non-Alcoholic Steatohepatitis (NASH).
- Secured an additional European clinical study partnership with King's College Hospital in London. This is ENDRA's fourth clinical
 research partnership in Europe. Data from the King's College Hospital study, along with other ongoing or to-be-initiated studies, will be used
 to bolster clinical evidence and further establish the clinical utility of the TAEUS device for assessing NAFLD-NASH.
- Partnered with VGI Health Technology (VGI) to support its upcoming Phase 2 study of its NAFLD-NASH drug candidate. ENDRA signed a
 collaboration agreement with VGI to incorporate TAEUS as an add-on technology to support VGI's patient screening and biomarker
 measurement during its planned Phase 2 study of IVB001 in patients with NAFLD-NASH.
- Strengthened TAEUS intellectual property (IP) protection with the issuance of four U.S., two European and two Chinese patents. The company was issued four U.S. patents that further protect its optimized hybrid ultrasound and thermoacoustic imaging systems for a wide range of applications, bringing the total number of U.S. patents to 24. ENDRA was also issued two European patents and two Chinese patents that broaden and expand its global IP portfolio. ENDRA's global IP portfolio now stands at 89 assets, defined as patents in preparation, filed or issued.
- Achieved key Quality Management System certification. ENDRA received its Medical Device Quality Management System ISO 13485:2016
 recertification, which affirms its quality standards supporting the TAEUS system's CE mark. It further demonstrates the company's
 commitment to uphold the highest quality product development and manufacture of the TAEUS System to meet customer and
 international regulatory standards.
- Balance sheet supports ongoing commercial activities. As of December 31, 2021, ENDRA had cash and cash equivalents of \$9.5 million.
 Together with availability under its at-the-market offering program, the company believes it is sufficiently capitalized to advance its commercial activities in Europe and to support its clinical research partners worldwide.

Source: Company reports.



Exhibit 2: ENDRA Investment Highlights

FNDRA Life Sciences

ENHANCE ULTRASOUND TO SEE HUMAN TISSUE IN WAYS SIMILAR TO CT-MRI... BUT AT 50X LOWER COST²

ENDRA Life Sciences: Investment Highlights

PROPRIETARY SCALABLE PLATFORM

- Thermo Acoustic Enhanced Ultrasound (TAEUS®) uses radio frequency pulses to create sonic waves
- TAEUS differentiates tissues similar to MRI but at 50x lower cost,1 at the point of patient care
- · Potential to address multiple unmet clinical needs, and generate diverse revenue streams
- TAEUS CE mark received in Europe, and FDA De Novo request planned for 2022 in the U.S.

MULTI-BILLION DOLLAR MARKET OPPORTUNITIES

- · First TAEUS indication focused on NAFLD-NASH with no practical diagnostic tools
- 1.8 billion people² affected with excess liver fat
- \$12.5 billion global market opportunity³

EXTENSIVE PATENT PORTFOLIO

· 89 internally-developed global IP assets,4 with defensive and offensive value

CAPITAL-EFFICIENT OPERATING MODEL

· Small ENDRA team + world-class technical, clinical and commercial partners

Source: Company reports.



Exhibit 3: TAEUS Upcoming Milestones

Anticipated Milestones: ENDRA Liver Application

2022

- ✓ Sign high-value China partnership with Shanghai General Hospital
- Achieve clarity on U.S regulatory strategy
 - o Submit De Novo request in U.S
- ✓ Strengthen intellectual property portfolio
- Collect TAEUS clinical evidence from global research partners
- Ramp commercialization efforts & drive sales in Europe
- Forge new alliances with drug developers and med-tech OEMs

Source: Company reports.

Exhibit 4: ENDRA Partners ENDRA Partners SUPPORTING TECHNICAL, CLINICAL & COMMERCIAL DEVELOPMENT OF TAEUS Value to ENDRA **Build Clinical** Refine Commercial Partner's Role Evidence Technology Support 8 TAEUS clinical evaluation sites (4 EU, 3 U.S., 1 China) Ultrasound leader, supporting GE Healthcare ENDRA intros to GE customers Pharma companies piloting TAEUS for drug trial screening Academic lab developing TAEUS artificial intelligence capabilities Source: Company reports.

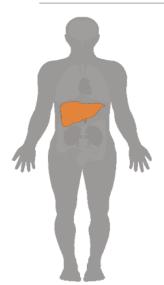
April 12, 2022



Exhibit 5: ENDRA's TAEUS Market Opportunity

ENDRA Opportunity #1: Non-Alcoholic Fatty Liver Disease (NAFLD)

QUANTIFY LIVER FAT INEXPENSIVELY & NON-INVASIVELY AT EARLIEST STAGE OF LIVER DISEASE



1.4 BILLION PEOPLE AFFECTED GLOBALLY¹

- · Drivers: obesity, diabetes, Hep-C, drugs
- · Often asymptomatic, needs to be monitored
- $^{\sim}30\%^2$ of NAFLD cases progress to NASH, then Fibrosis, Cirrhosis, Cancer
- Total annual direct medical costs for NAFLD: \$103B in the U.S3
- Median Medicare inpatient charge per NAFLD patient: \$36K4
- By 2025, NAFLD likely the greatest root cause of liver transplants⁵

CURRENT DIAGNOSTIC & MONITORING TOOLS ARE IMPRACTICAL

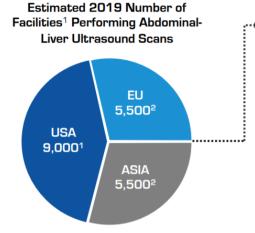
Expensive MRI, invasive surgical biopsy

"The ability to accurately quantify fat in the liver, at the point-of-care with ENDRA's TAEUS ultrasound could be revolutionary."

Xiang Jing M.D Deputy Chairman, Ultrasound Committee China Medical Association

Total Addressable Market for NAFLD-NASH Fat Measurement Tool

\$1 BILLION OPPORTUNITY ... WITH UPSIDE



Global facilities (primarily radiology) currently 20,000 ... doing abdominal-liver ultrasound scans, who could potentially buy 1 unit of ENDRA's liver technology

Target average selling price per unit of ENDRA's x \$50K liver technology

Sub-Total Addressable Market

= \$1 billion

Potential Upside

- · Non-radiology facilities focused on liver & metabolism: gastro-hepatology, endocrinology, primary care
- · Other global markets: Latin America, Middle East
- >1 ENDRA liver unit sale per facility (E.g. hospital)
- ENDRA licensing, disposables, service

ASDAQ: NDBA

Source: Company reports.

ENDRA



Exhibit 6: TAEUS

ENDRA's TAEUS®: Enhancing Traditional Ultrasound

RADIO FREQUENCY PULSES CREATE SONIC WAVES THAT QUANTITATE LIVER FAT FRACTION



TAEUS PROCEDURE

- As little as 15 minutes of user training; easy-to-interpret results
- Locate liver with any traditional B-mode ultrasound
- Apply & activate TAEUS probe; each scan takes 1.5 seconds
- ✓ ENDRA completed first TAEUS human feasibility study (n=19), validated against MRI-PDFF. Sensitivity 0.88 Specificity 0.82 AUROC 0.91 @ MRI-PDFF 6% steatosis
- ✓ CE mark received in Europe
- FDA De Novo request planned in 2022

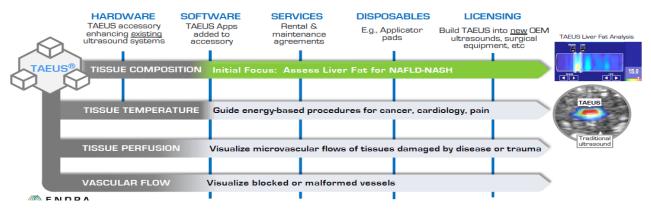


Screen shot of TAEUS measurement

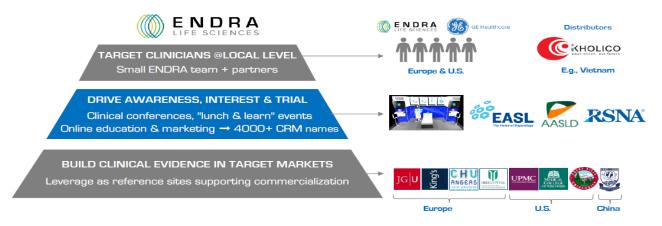
TAEUS is not yet approved for sale in the U.S.

TAEUS® Platform Evolution¹ & Business Model

START WITH LIVER-FOCUSED ACCESSORY & SOFTWARE ENHANCING EXISTING ULTRASOUND SYSTEMS, THEN SCALE WITH ADDITIONAL CLINICAL APPLICATIONS & REVENUE STREAMS



Commercializing TAEUS Liver: 3 Core Elements



Source: Company reports.

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Source: https://bigcharts.marketwatch.com/

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Exhibit 8: Consensus Expectations (as of March 30, 2022)

	Revenue (mil) 2021E	2022E		EPS 2021E	2022E
Q1 Mar	\$0.0A	\$0.3E	Q1 Mar	\$(0.06)A	\$(0.07)E
Q2 Jun	\$0.0A		Q2 Jun	\$(0.08)A	,
Q3 Sep	\$0.0A		Q3 Sep	\$(0.06)A	
Q4 Dec	\$0.2E		Q4 Dec	\$(0.08)E	
Total	\$0.2E	\$6.6E	Total	\$(0.28)E	\$(0.20)E

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Source: Company report, Refinitiv, and Ascendiant Capital Markets estimates

^{*}Quarterly estimates may not add to annual estimates due to variations in contributing estimates and rounding.



FINANCIAL MODEL

ENDRA Life Sciences Inc.

ENDRA Life Sciences																				
Income Statement (\$ mils)	Mar-20				2020	Mar-21	Jun-21	Sep-21		2021	Mar-22	Jun-22	Sep-22	Dec-22	2022	Mar-23	Jun-23	Sep-23	Dec-23	2023
Fiscal Year End: December 31	Q1A	Q2A	Q3A	Q4A	FY-A	Q1A	Q2A	Q3A	Q4A	FY-A	Q1E	Q2E	Q3E	Q4E	FY-E	Q1E	Q2E	Q3E	Q4E	FY-E
Total Revenue	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.9	2.5	1.0	1.5	1.5	2.0	6.0
Cost of Revenues	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	1.3	0.5	0.8	0.8	1.0	3.0
Gross Profit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	1.3	0.5	8.0	0.8	1.0	3.0
Research and development	1.5	1.5	1.8	1.1	5.9	1.1	1.7	1.2	1.4	5.5	1.3	1.3	1.3	1.3	5.2	1.3	1.3	1.3	1.3	5.2
Sales and marketing	0.1	0.1	0.1	0.2	0.6	0.2	0.3	0.3	0.4	1.1	0.5	0.5	0.5	0.5	2.0	0.5	0.5	0.5	0.5	2.0
General and administrative	1.5	1.3	1.3	0.9	5.0	1.3	1.2	1.2	1.3	4.9	1.4	1.4	1.4	1.4	5.6	1.4	1.4	1.4	1.4	5.6
Restructuring and other					0.0					0.0					0.0					0.0
Total operating expenses	3.1	2.9	3.3	2.3	11.5	2.6	3.2	2.7	3.1	11.5	3.2	3.2	3.2	3.2	12.8	3.2	3.2	3.2	3.2	12.8
Operating income (loss)	(3.1)	(2.9)	(3.3)	(2.3)	(11.5)	(2.6)	(3.2)	(2.7)	(3.1)	(11.5)	(3.2)	(3.2)	(3.0)	(2.3)	(11.6)	(2.7)	(2.5)	(2.5)	(2.2)	(9.8)
Interest income (expense)	(0.2)	(0.0)		0.0	(0.2)					0.0	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0
Other income (expense)	0.0	0.0	(0.4)	0.4	0.0	0.2	0.0	(0.0)	(0.0)	0.1				(0.1)	(0.1)				(0.1)	(0.1
Income before income taxes	(3.3)	(2.9)	(3.7)	(1.9)	(11.7)	(2.4)	(3.2)	(2.7)	(3.1)	(11.4)	(3.2)	(3.2)	(3.0)	(2.3)	(11.6)	(2.7)	(2.5)	(2.5)	(2.3)	(9.9
Income taxes					0.0					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income (loss)	(3.3)	(2.9)	(3.7)	(1.9)	(11.7)	(2.4)	(3.2)	(2.7)	(3.1)	(11.4)	(3.2)	(3.2)	(3.0)	(2.3)	(11.6)	(2.7)	(2.5)	(2.5)	(2.3)	(9.9
Nonrecurring/noncash adjustme					0.0					0.0					0.0					0.0
Net income (pro forma)	(3.3)	(2.9)	(3.7)	(1.9)	(11.7)	(2.4)	(3.2)	(2.7)	(3.1)	(11.4)	(3.2)	(3.2)	(3.0)	(2.3)	(11.6)	(2.7)	(2.5)	(2.5)	(2.3)	(9.9
EBITDA																				
Shares, Basic	11.5	14.7	23.9	26.5	19.2	37.8	41.7	41.9	42.3	40.9	42.4	42.5	42.6	42.7	42.6	42.8	42.9	43.0	43.1	43.0
Shares, Diluted	11.5	14.7	23.9	26.5	19.2	37.8	41.7	41.9	42.3	40.9	42.4	42.5	42.6	42.7	42.6	42.8	42.9	43.0	43.1	43.0
EPS Basic (Pro forma)	(\$0.29)	(\$0.20)	(\$0.15)	(\$0.07)	(\$0.61)	(\$0.06)	(\$0.08)	(\$0.06)	(\$0.07)	(\$0.28)	(\$0.08)	(\$0.07)	(\$0.07)	(\$0.05)	(\$0.27)	(\$0.06)	(\$0.06)	(\$0.06)	(\$0.05)	(\$0.23
EPS Diluted (Pro forma)	(\$0.29)	(\$0.20)	(\$0.15)	(\$0.07)	(\$0.61)	(\$0.06)	(\$0.08)	(\$0.06)	(\$0.07)	(\$0.28)	(\$0.08)	(\$0.07)	(\$0.07)	(\$0.05)	(\$0.27)	(\$0.06)	(\$0.06)	(\$0.06)	(\$0.05)	(\$0.23
Margins																				
Gross margin	#DIV/0!	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%									
Research and development	#DIV/0!	1300%	260%	68%	208%	130%	87%	87%	65%	87%										
Sales and marketing	#DIV/0!	500%	100%	26%	80%	50%	33%	33%	25%	33%										
General and administrative	#DIV/0!	1400%	280%	74%	224%	140%	93%	93%	70%	93%										
Operating margin	NM	-3150%	-590%	-118%	-462%	-270%	-163%	-163%	-110%	-163%										
Tax rate, GAAP	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Net margin	NM	-3151%	-590%	-121%	-464%	-270%	-163%	-163%	-113%	-164%										
Y/Y % change																				
Total Revenue	#DIV/0!				#DIV/0!			#DIV/0!		#DIV/0!	1400%	200%	5%	140%						
Gross margin	#DIV/0!				#DIV/0!	#DIV/0!		#DIV/0!		#DIV/0!	1400%	200%	5%	140%						
Research and development	-14%			-44%	-10%		17%	-34%	24%	-7%	14%	-25%	11%	-9%	-5%	0%	0%	0%	0%	0%
Sales and marketing	102%			15%	41%		91%	97%	99%	85%	211%	95%	81%	31%	86%	0%	0%	0%	0%	0%
General and administrative	60%			-2%	30%	-13%	-6%	-11%	38%	-1%	10%	17%	16%	11%	13%	0%	0%	0%	0%	0%
Operating income (loss)	13%			-28%	6%		11%	-19%	36%	0%	24%	-2%	11%	-27%	0%	-16%	-22%	-17%	-2%	-15%
Net income (loss)	21%			-79%	-33%		11%	-27%	67%	-3%	34%	-2%	11%	-26%	2%	-16%	-22%	-17%	-2%	-15%
EPS Diluted (Pro forma)	-22%	-38%	-67%	-94%	-74%	-78%	-61%	-59%	5%	-55%	19%	-3%	9%	-27%	-2%	-16%	-23%	-18%	-3%	-16%

Source: Company reports and Ascendiant Capital Markets estimates.



ENDRA Life Sciences Inc.

Balance Sheet (\$ mils)	Mar-20	Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23
Fiscal Year End: December 31	Q1A	Q2A	Q3A	Q4A	Q1A	Q2A	Q3A	Q4A	Q1E	Q2E	Q3E	Q4E	Q1E	Q2E	Q3E	Q4E
Assets																
Cash and cash equivalents	3.1	0.7	3.8	7.2	16.8	14.0	11.8	9.5	7.9	5.4	3.5	4.8	0.9	(0.2)	(2.3)	(3
Short term investments	0.1	0.1	0.0	7.2	10.0	14.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Accounts receivable, net									0.0	0.0	0.6	2.1	1.1	1.7	1.7	2
Inventory	0.2	0.3	0.3	0.6	0.7	1.3	1.5	1.3	0.0	0.0	0.0	0.2	0.1	0.2	0.2	(
Deferred income taxes	0.2	0.5	0.5	0.0	0.7	1.5	1.5	1.5	0.0	0.0	0.0	0.2	0.1	0.2	0.2	(
Prepaid expenses and other	0.5	1.2	0.7	0.4	0.8	1.0	1.2	1.3	0.0	0.0	0.0	1.0	0.0	0.8	0.0	1
Total current assets	3.8	2.3	4.8	8.2	18.4	16.3	14.5	12.1	7.9	5.5	4.4	8.1	2.6	2.3	0.8	(
Total current assets	3.8	2.3	4.8	8.2	18.4	16.3	14.5	12.1	7.9	5.5	4.4	8.1	2.6	2.3	0.3	·
Property and equipment, net	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	(
Intangibles, net									0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
Deferred income tax									0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
Other	0.4	0.4	0.4	0.3	0.3	0.7	0.7	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	9
Total assets	4.4	2.9	5.4	8.8	18.9	17.2	15.3	12.9	8.7	6.3	5.1	8.2	2.7	2.4	0.4	(
Liabilities and stockholders' equity																
Accounts payable	1.4	1.2	1.3	0.9	0.7	1.5	1.4	1.4	0.0	0.3	1.5	5.7	3.0	4.5	4.5	
Accrued expenses	17	1.2	1.0	0.5	0.7	1.0	1	1	0.0	0.1	0.3	1.0	0.5	0.8	0.8	
Deferred income tax									0.0	0.0	0.0	0.0	0.0	0.0	0.0	Ċ
Other	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
Short term debt		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0			0.0	0.1	0.0	0.0	(
Total current liabilities	0.0 1.6	1.2	1.4	1.0	0.8	1.6	1.6	1.5	0.0	0.0 0.5	0.0 1.9	6.8	3.6	5.4	5.4	
Total current liabilities	1.6	1.2	1.4	1.0	0.8	1.0	1.0	1.5	0.1	0.5	1.9	0.0	3.6	5.4	5.4	•
Deferred income taxes									0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
Warrant liabilities									0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
Other long term liabilities	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	(
Long term debt		0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
Total other liabilities	0.3	0.6	0.6	0.6	0.3	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	C
Preferred stock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
Common stock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3
Additional paid-in capital	51.0	52.2	58.4	64.5	77.5	77.8	78.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79
Retained earnings	(48.5)	(51.4)		(57.3)	(59.7)	(62.9)	(65.6)	(68.7)	(71.9)	(75.0)	(78.0)	(80.3)	(83.0)	(85.4)	(87.9)	(90
Accumulated other comprehensive in		0.2	(30.1)	(31.0)	(30.1)	(32.0)	(50.0)	(30.1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(0,
Other	"	0.2			0.1	0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	(
Total stockholders' equity	2.5	1.0	3.3	7.2	17.9	15.0	13.2	10.8	8.0	5.3	2.7	0.8	(1.5)	(3.5)	(5.5)	(7
Total Stockholders Equity	2.5	1.0	5.5	1.2	'''.5	13.0	13.2	10.0	0.0	3.3	2.1	0.0	(1.5)	(3.3)	(3.3)	(1
Total stockholders' equity and liabil	4.4	2.9	5.4	8.8	18.9	17.2	15.3	12.9	8.7	6.3	5.1	8.2	2.7	2.4	0.4	(

Balance	Sheet	Drivers
Dalance	JIICCL	DITACIO

Dalatice Stieet Differs																
	Mar-20	Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23
	Q1A	Q2A	Q3A	Q4A	Q1A	Q2A	Q3A	Q4A	Q1E	Q2E	Q3E	Q4E	Q1E	Q2E	Q3E	Q4E
Prepaid as % of total rev	#DIV/0!	50%	50%	50%	50%	50%	50%	50%	50%							
Accounts payable as % of total rev	#DIV/0!	300%	300%	300%	300%	300%	300%	300%	300%							
Inventories as % of cost of rev	#DIV/0!	20%	20%	20%	20%	20%	20%	20%	20%							
Accrued expenses as % of total rev	#DIV/0!	50%	50%	50%	50%	50%	50%	50%	50%							
Activity Ratios																
A/R Days Sales Outstanding	#DIV/0!	100	100	100	100	100	100	100	100							
Inventory Turnover	0.0x					0.0x				20.0x	20.0x	20.0x	20.0x	13.3x	20.0x	15.0x
A/P Days Payable	#DIV/0!	540	540	540	540	810	540	720								
Book & Cash Value (per share)																
Book Value per Share (diluted)	\$0.22	\$0.07	\$0.14	\$0.27	\$0.47	\$0.36	\$0.31	\$0.25	\$0.19	\$0.12	\$0.06	\$0.02	-\$0.03	-\$0.08	-\$0.13	-\$0.17
Cash per Share (diluted)	\$0.27	\$0.05	\$0.16	\$0.27	\$0.45	\$0.34	\$0.28	\$0.22	\$0.19	\$0.13	\$0.08	\$0.11	\$0.02	-\$0.01	-\$0.05	-\$0.08
Net cash per Share (diluted)	\$0.27	\$0.03	\$0.14	\$0.26	\$0.45	\$0.34	\$0.28	\$0.22	\$0.19	\$0.13	\$0.08	\$0.11	\$0.02	-\$0.01	-\$0.05	-\$0.08

Source: Company reports and Ascendiant Capital Markets estimates



ENDRA Life Sciences Inc.

Cash Flow Statement (\$ mils)	Mar-20		Sep-20		2020	Mar-21	Jun-21	Sep-21	Dec-21	2021	Mar-22	Jun-22	Sep-22	Dec-22	2022	Mar-23	Jun-23	Sep-23	Dec-23	2023
Fiscal Year End: December 31	Q1A	Q2A	Q3A	Q4A	FY-A	Q1A	Q2A	Q3A	Q4A	FY-A	Q1E	Q2E	Q3E	Q4E	FY-E	Q1E	Q2E	Q3E	Q4E	FY-E
Cash flow from operating activity	ties																			
Net income	(3.3)	(2.9)	(3.3)	(2.3)	(11.7)	(2.3)	(3.2)	(2.7)	(3.1)	(11.2)	(3.2)	(3.2)	(3.0)	(2.3)	(11.6)	(2.7)	(2.5)	(2.5)	(2.3)	(9.
Depreciation	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.
Amortization	0.0	(0.0)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1					0.0					0.
Debt related amortization expen		0.0	0.0	0.0	0.2	(0.3)				(0.3)					0.0					0.
Stock comp	0.6	0.5	0.5	0.5	2.1	0.4	0.3	0.3	0.4	1.4	0.4	0.4	0.4	0.4	1.6	0.4	0.4	0.4	0.4	1.
Deferred income taxes					0.0					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Change in fair value of warrant li	iability				0.0					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Writedowns and impairments	,				0.0				0.0	0.0					0.0					0.
Other gains/losses					0.0				0.0	0.0					0.0					0.
Other	(0.0)	0.0	(0.0)	0.0	0.0					0.0					0.0					0.
Changes in operating assets and I		0.0	(0.0)	0.0	0.0					0.0					0.0					
Accounts receivable	iabilitios.				0.0					0.0	0.0	(0.1)	(0.4)	(1.6)	(2.1)	1.0	(0.6)	0.0	(0.6)	(0.
Inventory	(0.1)	(0.2)	0.0	(0.3)	(0.5)	(0.1)	(0.6)	(0.2)	0.2	(0.7)	1.3	(0.0)	(0.0)	(0.1)	1.1	0.1	(0.1)	0.0	(0.1)	(0.
Prepaid expenses & other curre		(0.7)		0.3	(0.1)	(0.1)	(0.0)	(0.2)	(0.2)	(1.0)	1.3	(0.1)	(0.0)	(0.1)	0.4	0.5	(0.1)	0.0	(0.1)	(0.
Income tax	(0.0)	(0.1)	0.0	0.0	0.0	(0.4)	(0.2)	(0.2)	(0.2)	0.0	1.0	(0.1)	(0.2)	(0.1)	0.0	0.5	(0.0)	0.0	(0.0)	0.
Other assets	0.0	(0.0)	0.0	(0.0)	(0.1)					0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.
Accounts payable	(0.3)	(0.2)		(0.4)	(0.1)	(0.2)	0.8	(0.1)	(0.0)	0.5	(1.4)	0.3	1.2	4.2	4.3	(2.7)	1.5	0.0	1.5	0.
Accrued expenses	(0.0)	(0.2)	0.0	(0.1)	0.0	(0.2)	0.0	(0.1)	(0.0)	0.0	0.0	0.1	0.2	0.7	1.0	(0.5)	0.3	0.0	0.3	0.
Other liabilities					0.0	(0.0)	(0.0)	(0.0)	(0.0)	(0.1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net cash (used in) provided by	(3.1)	(3.5)	(2.1)	(2.1)	(10.8)	(2.9)	(2.8)	(2.7)	(2.7)	(11.1)	(1.5)	(2.5)	(1.8)	1.3	(4.6)	(3.9)	(1.1)	(2.0)	(0.9)	(7.
Cash flow from investing activit																				
Purchases of property and equip	(0.0)		0.0	(0.0)	(0.1)	(0.0)				(0.0)	0.0	0.0	(0.0)	0.0	(0.0)	(0.0)	0.0	(0.0)	(0.0)	(0.
Purchases of short-term investm	nents				0.0					0.0					0.0					0.
Acquisitions					0.0					0.0					0.0					0.
<u>Other</u>					0.0					0.0					0.0					0.
Net cash used in investing activ	(0.0)	0.0	0.0	(0.0)	(0.1)	(0.0)	0.0	0.0	0.0	(0.0)	0.0	0.0	(0.0)	0.0	(0.0)	(0.0)	0.0	(0.0)	(0.0)	(0.
Cash flow from financing activit	ioo																			
Issuance of debt	ies	0.3			0.3					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Repayment of debt		(0.0)	0.0	0.0	0.0					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0. 0.
Issuance of stock		0.8	0.5	5.5	6.8	9.8		0.5	0.3	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
	0.0	0.0	4.6			2.8		0.5	0.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Proceeds from stock option exe Other	0.0	0.0	4.0	0.1	4.8	2.8									0.0					0.
					0.0					0.0										
Dividends and distributions					0.0					0.0					0.0					0.
Cash provided by (used in) fina	0.0	1.1	5.2	5.6	11.9	12.6	0.0	0.5	0.3	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Effect of exchange rate on cash					0.0					0.0					0.0					0.
Net increase (decrease) in cash	(3.1)	(2.4)	3.0	3.4	1.1	9.6	(2.8)	(2.3)	(2.3)	2.2	(1.5)	(2.5)	(1.8)	1.3	(4.6)	(3.9)	(1.1)	(2.1)	(1.0)	(8.
Beginning cash and equivalents	6.2	3.1	0.7	3.8	6.2	7.2	16.8	14.0	11.8	7.2	9.5	7.9	5.4	3.5	9.5	4.8	0.9	(0.2)	(2.3)	4.
Ending cash and equivalents	3.1	0.7	3.8	7.2	7.2	16.8	14.0	11.8	9.5	9.5	7.9	5.4	3.5	4.8	4.8	0.9	(0.2)	(2.3)	(3.3)	(3.

Ending cash and equivalents 3.1 0.7 3.8 7.2

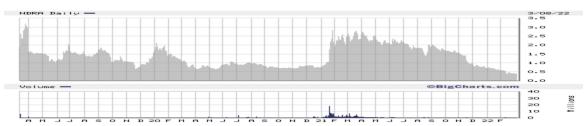
Source: Company reports and Ascendiant Capital Markets estimates



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ENDRA Life Sciences Inc.



Source: https://bigcharts.marketwatch.com/

	Report Date		Price
Report	Date	Rating	Target
1	4/10/2019	Buy	4.50
2	5/15/2019	Buy	4.25
3	8/12/2019	Buy	3.25
4	11/18/2019	Buy	2.75
5	1/28/2020	Buy	3.00
6	3/29/2020	Buy	2.50
7	5/19/2020	Buy	2.75
8	8/18/2020	Buy	3.25
9	11/21/2020	Buy	3.50
10	4/4/2021	Buy	5.50
11	5/31/2021	Buy	6.00
12	8/23/2021	Buy	6.50
13	11/17/2021	Buy	6.25

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NDRA: ENDRA Life Sciences Inc.



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BUY: We expect the stock to provide a total return of 15% or more within a 12-month period.

HOLD: We expect the stock to provide a total return of negative 15% to positive 15% within a 12-month period.

SELL: We expect the stock to have a negative total return of more than 15% within a 12-month period.

Total return is defined as price appreciation plus dividend yield.

Ascendiant Capital Markets, LLC Rating System

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Strong Buy: We expect the stock to provide a total return of 30% or more within a 12-month period.

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Neutral: We expect the stock to provide a total return of between minus 10% and plus 10% within a 12-month period.

Sell: We expect the stock to provide a total return of minus 10% or worse within a 12-month period.

Speculative Buy: This rating is reserved for companies we believe have tremendous potential, but whose stocks are illiquid or

whose equity market capitalizations are very small, often in the definition of a nano cap (below \$50 million in market cap). In general, for stocks ranked in this category, we expect the stock to provide a total return of 50% or more within a 12-month period. However, because of the illiquid nature of the stock's trading and/or the nano

cap nature of the investment, we caution that these investments may not be suitable for all parties.

Total return is defined as price appreciation plus dividend yield.



Ascendiant Capital Markets, LLC Distribution of Investment Ratings (as of January 15, 2022)

Invest	me	nt	Bankin	g Services
	_			

			Past 12 months							
Rating	Count	Percent	Count	Percent						
Buy	40	98%	16	40%						
Hold	0	0%	0	0%						
Sell	1	2%	0	0%						
Total	41	100%	16	39%						

Other Important Disclosures

Our analysts use various valuation methodologies including discounted cash flow, price/earnings (P/E), enterprise value/EBITDAS, and P/E to growth rate, among others. Risks to our price targets include failure to achieve financial results, product risk, regulatory risk, general market conditions, and the risk of a change in economic conditions.

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