

A TRANSFORMATIONAL PLACENTAL BIOLOGICS COMPANY

H.C. Wainwright
Global Investment Conference

May 2022

DISCLAIMER & CAUTIONARY STATEMENTS

This presentation includes forward-looking statements. Forward-looking statements are subject to risks and uncertainties, and the Company cautions investors against placing undue reliance on such statements. Actual results may differ materially from those set forth in the forward-looking statements. Such forward-looking statements include statements regarding:

- · future sales or sales growth;
- the Company's expectations regarding its mdHACM product's potential use as a safe and effective treatment option, and that it may be an effective treatment for persons battling inflammatory conditions; the Company's plans for meetings with the U.S. Food & Drug Administration (FDA), and planned biologics license application (BLA) submissions to the FDA, and their timing; plans for future clinical trials, including the Company's decision to pursue or not pursue, and their timing;
- · the effectiveness of amniotic tissue as a therapy for any particular indication or condition;
- estimates of potential market size for the Company's current and future products;
- · plans for expansion outside of the U.S.;
- · expected spending on clinical trials and research and development;
- the Company's long-term strategy for value creation, the status of its pipeline products, expectations for future products, and expectations for future growth;



DISCLAIMER & CAUTIONARY STATEMENTS

Additional forward-looking statements may be identified by words such as "believe," "expect," "may," "plan," "potential," "will," "preliminary," and similar expressions, and are based on management's current beliefs and expectations. Forward-looking statements are subject to risks and uncertainties, and the Company cautions investors against placing undue reliance on such statements. Actual results may differ materially from those set forth in the forward-looking statements. Factors that could cause actual results to differ from expectations include:

- future sales are uncertain and are affected by competition, access to customers, patient access to healthcare providers, and many other factors:
- the results of a clinical trial or trials may not demonstrate that the product is safe or effective, or may have little or no statistical value; the Company may change its plans due to unforeseen circumstances, and delay or alter the timeline for future trials, analyses, or public announcements; the timing of any meeting with the FDA depends on many factors and is outside of the Company's control, and the results from any meeting are uncertain; a BLA submission requires a number of prerequisites, including favorable study results and statistical support, and completion of a satisfactory FDA inspection of the Company's manufacturing facility or facilities; plans for future clinical trials depend on the results of pending clinical trials, discussion with the FDA, and other factors; and conducting clinical trials is a time-consuming, expensive, and uncertain process:
- the future market for the Company's products can depend on regulatory approval of such products, which might not occur at all
 or when expected, and is based in part on assumptions regarding the number of patients who elect less acute and more acute
 treatment than the Company's products, market acceptance of the Company's products, and adequate reimbursement for such
 therapies;
- the process of obtaining regulatory clearances or approvals to market a biological product or medical device from the FDA or similar regulatory authorities outside of the U.S. is costly and time consuming, and such clearances or approvals may not be granted on a timely basis, or at all, and the ability to obtain the rights to market additional, suitable products depends on negotiations with third parties which may not be forthcoming;
- whether there is full access to hospitals and healthcare provider facilities, as a continuation or escalation of access restrictions or lockdown orders resulting from the ongoing COVID-19 pandemic; and
- · expected spending can depend in part on the results of pending clinical trials.

The Company describes additional risks and uncertainties in the Risk Factors section of its most recent annual report and quarterly reports filed with the Securities and Exchange Commission. Any forward-looking statements speak only as of the date of this presentation and the Company assumes no obligation to update any forward-looking statement.



LEADING PRODUCT PORTFOLIO POSITIONED FOR GROWTH

MDXG

\$257.5M

TTM Net Sales

83.1%

TTM Gross Margin (\$12.4M)

TTM Net Loss

\$12.0M

TTM Adjusted EBITDA¹

13.4%

Year-over-year Revenue growth in Wound Care & Surgical business²

800+

Employees³

\$504M

Market Cap⁴

\$75.7M

Cash at 3/31/22

2,000,000+

Allografts Distributed⁵

Purion.

EPIFIX° AMNIOFIX° EPICORD° AMNIOCORD°

50+

Clinical & Scientific Publications 100%

National Payor Coverage for DFUs⁶

300M+

people worldwide suffering from hip and knee OA⁷ **30M** (U.S.) with diabetes⁸

2.9M

chronic wounds9

In a recent peer-reviewed study, the average cost/episode with EPIFIX was

~\$3000 less

versus other advanced treatments¹⁰

42%

of the low risk-of-bias studies in AHRQ assessment were on MIMEDX products¹¹

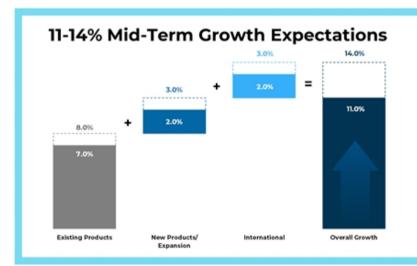


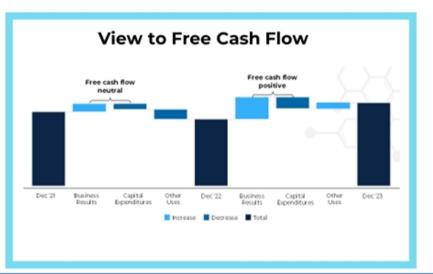


COMPELLING INVESTMENT THESIS











THE TRANSFORMATIONAL POTENTIAL

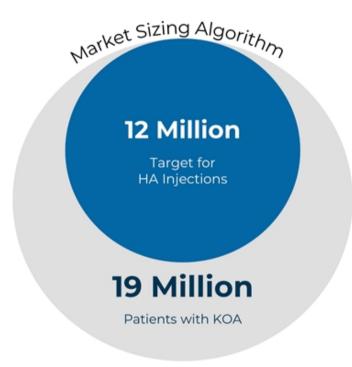
Transforming medicine in large and high growth markets with significant unmet needs





\$4B+

SIGNIFICANT UNMET CLINICAL NEED IN KNEE OSTEOARTHRITIS



Multiple factors drive overall transformation

Value Multipliers

- Product Label
- Dosing Regimen
- · Bilateral Application
- · Prophylactic Use
- Place in Treatment Algorithm
- Clinical Trial Results
- DMOAD





MODE POTENTIAL TO REDUCE PAIN AND INCREASE FUNCTION IN KOA

Phase 2B study did not meet primary endpoints across 446 patient population, but demonstrated **statistically significant** and clinically meaningful improvement within pre-interim analysis cohort (n=190)



Plan to commence registrational KOA Clinical Trial Program in 2022

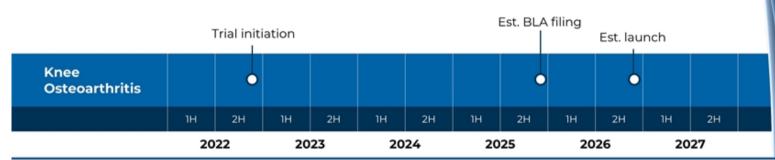


Anticipate BLA filing in late-2025 with greater probability of success

Pre-Interim Analysis Cohort

190-patient Cohort	3 months	6 months
WOMAC Pain	p=0.032	p=0.009
WOMAC Function	p=0.046	p=0.009
WOMAC Total	p=0.038	p=0.008

Dr. Vibeke Strand MIMEDX Investor Day (Dec. 7, 2021) MIMEDX has learned much from this trial and I think they will further refine the final product characterization and we should be optimistic that we will see positive results from future trials with this product.





mdHACM HOLDS POTENTIAL TO REDUCE PAIN AND INCREASE FUNCTION IN KOA

 \gg

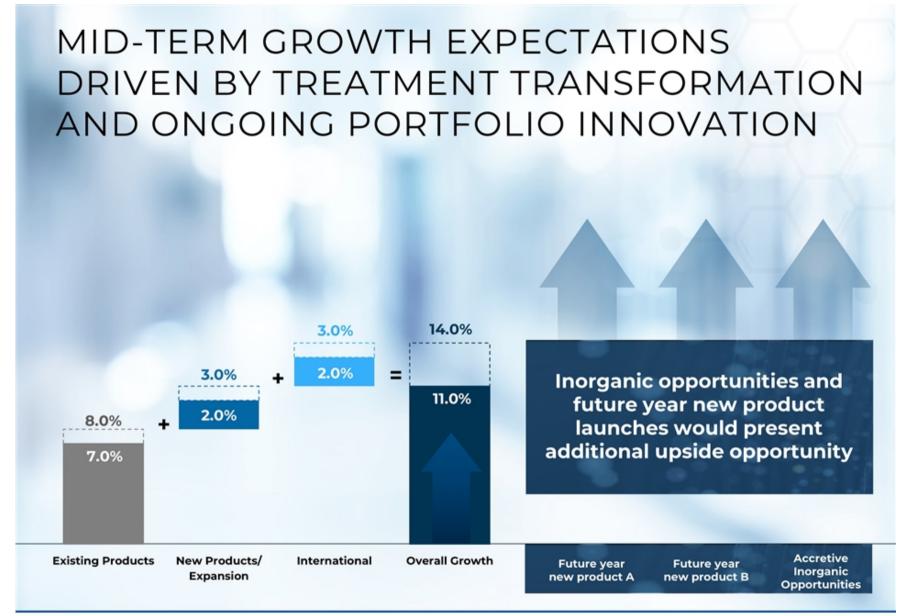
Phase 2B study did not meet primary endpoints across 446 patient population, but demonstrated statistically significant and **clinically meaningful**¹ **improvement** within pre-interim analysis cohort (n=190)

Pre-Interim Analysis Cohort

190-patient Cohort	md	НАСМ	Pla	p-value	
	Pain Score	% Improvement	Pain Score	% Improvement	
WOMAC Pain at Baseline	10.0	n/a	9.6	n/a	n/a
WOMAC Pain at 3-months	4.9	51%	5.7	40%	p=0.032
WOMAC Pain at 6-months	3.8	62%	5.2	45%	p=0.009

mdHACM demonstrated a strong and clinically meaningful improvement from baseline over placebo in 190 patient pre-interim analysis cohort







EXPANSION INTO SURGICAL RECOVERY MARKET PROPELS GROWTH

Total Addressable Market

\$1.3B

Tissue augmentation

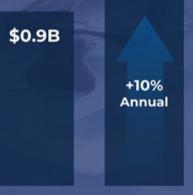
Barrier properties

Surgical closure

Growth Drivers:

Aging population Increasing obesity

Awareness & penetration



2026



2021



MULTIPLE OPPORTUNITIES TO EXPAND EXISTING PROCEDURE BASE

SURGICAL SPECIALTY	PROCEDURAL EXAMPLE
Vascular	Incision Management Amputation
Orthopaedics	Joint Replacement Rotator Cuff Repair
Spine	Lumbar Decompression
General Surgery	Bowel Anastomosis
Gynecology	C-Section Incisions Hysterectomy
Plastics	Mohs Defect Reconstruction Incision Management



SURGICAL RECOVERY GROWTH DRIVEN BY MARKET DEVELOPMENT

Leveraging Portfolio

AMNIOFIX° AMNIOBURN° AMNIOCORD° AMNIOFIX°

Targeting Unmet Needs

Tissue Handling

Antimicrobial Platform

Functional Healing

- Expand Reach in O.R.
- Procedural Training
- KOL Development by Specialty
- New Product Launches
- Clinical & Economic Evidence



OPPORTUNITIES TO EXTEND LEADERSHIP IN DIFFERENTIATED CLINICAL EVIDENCE







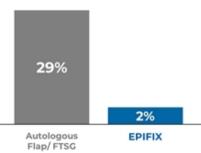
AREAS OF FOCUS

- Chronic wound clinical & health economic outcomes
- Treating challenging surgical wounds
- · Complex incision management
- · Orthopaedic surgical recovery

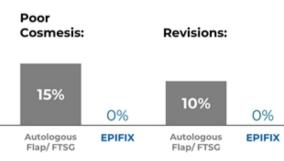
Mohs Defect Repair with Dehydrated Human Amnion/Chorion Membrane¹

Outcomes comparing autologous flaps/grafts and dHACM

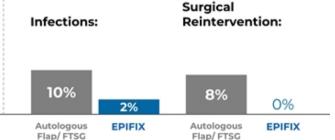
Experienced Complications:



Patients receiving flaps or grafts were **19x** more likely to experience poor cosmesis or revisions



Patients receiving flaps or grafts were **12x** more likely to have infections or surgical reintervention





2022 LAUNCHES EXPAND PLACENTAL PORTFOLIO



AMNIOEFFECT™

Wide range of sizes up to 9 cm x 20 cm

Improved handling for minimally invasive procedures



Placental Collagen Matrix

Particulate format fulfills key portfolio gap

Retains key extracellular matrix components

Anticipate two new, organic products launched per year; future year new product launches would present additional upside opportunity

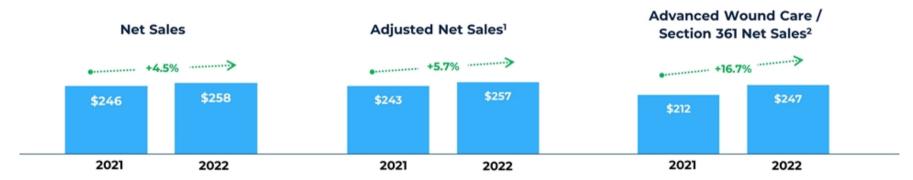


ADVANCED WOUND CARE CONTINUES TO EXHIBIT STRONG DOUBLE-DIGIT GROWTH

Results for the Three Months Ended March 31 (\$M)



Results for TTM3 Ended March 31 (\$M)





CONSISTENT OUTPERFORMANCE COMPARED TO CONSENSUS WITH STRONG, SUSTAINED GROWTH FROM THE COMPANY'S CORE BUSINESS

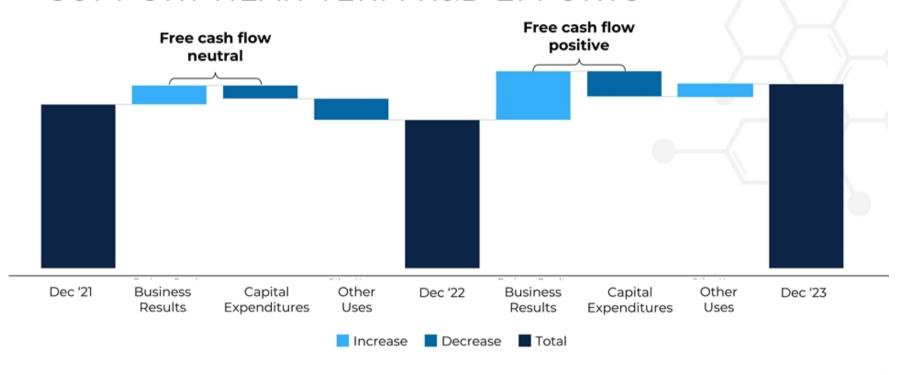


Multiple Quarters With Strong Growth in the Company's Advanced Wound Care / Section 361 Business





EXISTING CASH LEVELS ARE SUFFICIENT TO SUPPORT NEAR-TERM R&D EFFORTS



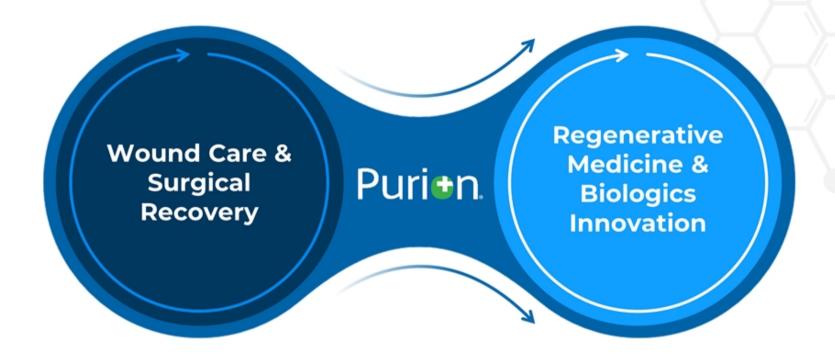
Cash and cash equivalents at March 31, 2022 = \$75.7 million

Expect two clinical trials for Knee OA indication to cost less than \$30 million; incurred over three years Over the 12 – 15 months ending December 2022, we continue to expect:

- · Base business to be cash flow neutral
- Overall revenue to return to levels consistent with those prior to end of Enforcement Discretion⁽¹⁾



PIONEER IN PLACENTAL BIOLOGICS



Distinct drivers of significant shareholder value with current and future growth potential



2022 OBJECTIVES SUPPORT CURRENT AND FUTURE GROWTH POTENTIAL

R&D	 Initiate Phase 3 KOA Clinical Studies Increase Product Vitality Index Advance body of scientific evidence
Operations	 Implement CGMP throughout supply chain Leverage cost base through production efficiencies Optimize quality, processes and scale
Commercial	 Achieve sustainable double-digit growth target Expand international footprint, with initial launch in Japan Launch two new products – AMNIOEFFECT™ and PCM







SUMMARY BALANCE SHEETS

(\$ millions)	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22
Assets								
Cash and Cash Equivalents	48.2	109.6	95.8	84.7	85.0	90.6	87.1	75.7
Accounts Receivable, net	30.1	33.0	35.4	35.4	37.2	36.5	40.4	37.7
Inventory, net	10.6	11.0	10.4	11.6	10.1	11.2	11.4	13.2
Other Current Assets	18.7	17.9	19.0	18.3	15.4	3.6	9.6	9.3
Total Current Assets	107.6	171.5	160.6	150.0	147.7	141.9	148.5	135.9
Property and Equipment	10.8	10.3	11.4	11.0	10.3	9.9	9.2	8.8
Other Assets	32.5	31.5	30.0	29.8	29.1	28.7	30.2	29.7
Total Assets	150.9	213.3	202.0	190.8	187.1	180.5	187.9	174.4
Liabilities and Stockholders' Equity (Deficit)								
Current Liabilities	63.7	57.3	59.2	55.4	50.6	41.7	42.4	36.6
Long Term Debt, net	61.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2
Other Liabilities	2.9	4.4	3.7	3.6	3.3	4.1	4.9	4.6
Total Liabilities	128.1	109.3	110.6	106.8	101.8	93.8	95.4	89.4
Convertible Preferred Stock	0.0	91.1	91.6	92.0	92.5	92.5	92.5	92.5
Stockholders' Equity (Deficit)	22.9	12.9	(0.2)	(8.0)	(7.2)	(5.8)	0.1	(7.4)
Total Liabilities and Stockholders' Equity (Deficit)	150.9	213.3	202.0	190.8	187.1	180.5	187.9	174.4



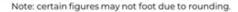
SUMMARY INCOME STATEMENTS

(\$ millions)	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22
Net Sales	53.6	64.3	68.6	60.0	68.2	63.1	67.4	58.9
Cost of Sales	8.2	10.3	10.8	9.7	12.8	10.1	10.7	9.9
Gross Profit	45.4	54.0	57.8	50.3	55.4	53.0	56.7	49.0
Research & Development	2.3	3.4	3.4	4.3	4.1	4.3	4.6	6.0
Selling, General, and Administrative	37.3	48.0	48.8	45.4	53.6	46.3	53.1	49.6
Investigation, Restatement, and Related	11.4	12.0	20.4	7.2	(2.1)	3.2	(4.5)	2.6
Amortization of Intangible Assets	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
Impairment of Intangible Assets	0.0	0.0	1.0	0.0	0.0	0.0	0.1	0.0
Operating (Loss) Income	(5.9)	(9.7)	(16.1)	(6.8)	(0.4)	(1.0)	3.3	(9.3)
Loss on Extinguishment of Debt	0.0	(8.2)	0.0	0.0	0.0	0.0	0.0	0.0
Interest Expense, net	(2.6)	(1.5)	(1.5)	(1.5)	(1.4)	(1.0)	(1.2)	(1.1)
Pretax (Loss) Income	(8.4)	(19.4)	(17.6)	(8.3)	(1.8)	(2.0)	2.1	(10.4)
Income Tax Provision Benefit (Expense)	0.0	0.0	1.0	(0.1)	0.0	(0.3)	0.1	(O.1)
Net (Loss) Income	(8.5)	(19.4)	(16.6)	(8.4)	(1.8)	(2.3)	2.2	(10.5)



SUMMARY CASH FLOW STATEMENTS

(\$ millions)	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22
Net (Loss) Income	(8.5)	(19.4)	(16.6)	(8.4)	(1.8)	(2.3)	2.2	(10.5)
Share-Based Compensation	4.4	3.7	3.9	3.2	4.1	3.8	3.6	4.0
Depreciation	1.4	1.5	1.3	1.2	1.3	0.9	1.0	0.9
Other Non-Cash Effects	1.3	9.5	1.7	1.1	0.9	0.6	0.7	0.6
Changes in Assets	2.9	(1.8)	(6.2)	0.1	1.9	11.0	(9.5)	0.7
Changes in Liabilities	(4.7)	1.9	5.5	(3.9)	(4.8)	(7.6)	(1.3)	(5.9)
Net Cash Flows (Used in) Provided By Operating Activities	(3.1)	(4.6)	(10.4)	(6.7)	1.6	6.4	(3.3)	(10.2)
Purchases of Property and Equipment	(0.4)	(0.7)	(2.2)	(1.9)	(0.4)	(0.6)	(0.3)	(0.1)
Patent Application Costs	(0.1)	0.0	(0.1)	(0.2)	(0.0)	(0.1)	(0.0)	(0.1)
Other	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Net Cash Flows Used in Investing Activities	(0.5)	(0.7)	(2.3)	(2.1)	(0.4)	(0.6)	(0.3)	(0.1)
Preferred Stock Net Proceeds	0.0	93.4	(0.8)	0.0	0.0	0.0	0.0	0.0
Proceeds from Term Loan	10.0	49.5	0.0	0.0	0.0	0.0	0.0	0.0
Repayment of Term Loan	(10.9)	(72.0)	0.0	0.0	0.0	0.0	0.0	0.0
Prepayment Premium on Term Loan	0.0	(1.4)	0.0	0.0	0.0	0.0	0.0	0.0
Deferred Financing Cost	0.0	(2.8)	(0.3)	0.0	0.0	0.0	0.0	0.0
Stock Repurchased for Tax Withholdings on Vesting of Restricted Stock	(0.8)	(O.1)	0.0	(3.2)	(1.4)	(0.2)	0.0	(1.2)
Proceeds from Exercise of Stock Options	0.0	0.1	0.0	0.9	0.5	0.0	0.0	0.2
Net Cash Flows (Used in) Provided By Financing Activities	(1.8)	66.7	(1.1)	(2.3)	(0.9)	(0.2)	0.0	(1.0)
Beginning Cash Balance	53.5	48.2	109.6	95.8	84.7	85.0	90.6	87.1
Change in Cash	(5.3)	61.4	(13.8)	(11.1)	0.3	5.6	(3.5)	(11.4)
Ending Cash Balance	48.2	109.6	95.8	84.7	85.0	90.6	87.1	75.7





REVENUE DETAIL

Quarter

Trailing 12 Months

(\$ millions)	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q21	3Q21	4Q21	1Q22
Advanced Wound Care / Section 361 ¹	45.8	55.1	59.4	51.5	59.3	62.3	66.9	58.5	225.3	232.5	240.0	247.0
Section 351 ¹	6.1	8.2	8.7	8.2	8.6	0.5	0.3	0.4	33.7	26.0	17.6	9.8
Other ²	1.7	1.0	0.5	0.3	0.3	0.3	0.1	0.0	2.1	1.4	1.0	0.7
Net Sales	\$ 53.6	\$ 64.3	\$ 68.5	\$ 60.0	\$ 68.2	\$ 63.1	\$ 67.4	\$ 58.9	\$261.1	\$259.9	\$258.6	\$257.5



NON-GAAP METRICS RECONCILIATION

(\$ millions)	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22
Net Sales – Reported	53.6	64.3	68.6	60.0	68.2	63.1	67.3	58.9
Less: Revenue Transition Impact ¹	(1.7)	(1.0)	(0.5)	(0.3)	(0.3)	(0.3)	(O.1)	0.0
Adjusted Net Sales	51.9	63.3	68.1	59.7	67.9	62.8	67.2	58.9
Gross Profit	45.4	54.0	57.8	50.3	55.4	53.0	56.7	49.0
Less: Revenue Transition Impact ¹	(1.5)	(0.9)	(0.4)	(0.2)	(0.3)	(0.3)	(O.1)	0.0
Adjusted Gross Profit	44.0	53.1	57.4	50.1	55.1	52.7	56.6	49.0
Adjusted Gross Margin	84.8%	83.9%	84.3%	83.9%	81.3%	83.9%	84.2%	83.1%
Adjusted EBITDA	11.7	7.8	10.8	5.0	3.1	7.0	3.6	(1.7)
Less: Capital Expenditures	(0.4)	(0.7)	(2.2)	(1.9)	(0.4)	(0.6)	(0.3)	(0.1)
Less: Patent Application Costs	(O.1)	0.0	(O.1)	(0.2)	(O.O)	(O.1)	(0.0)	(O.1)
Adjusted Free Cash Flow	11.2	7.1	8.5	2.9	2.7	6.3	3.3	(1.9)



ADJUSTED EBITDA RECONCILIATION

(\$ millions)	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22
Net (Loss) Income	(8.5)	(19.4)	(16.6)	(8.4)	(1.8)	(2.3)	2.2	(10.5)
Depreciation & Amortization	1.7	1.8	1.6	1.4	1.5	1.1	1.1	1.0
Interest Expense	2.6	1.5	1.5	1.5	1.4	1.0	1.2	1.1
Loss on Extinguishment of Debt	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0
Income Tax	0.0	0.0	(1.0)	0.1	(0.0)	0.3	(0.1)	0.1
EBITDA	(4.2)	(7.9)	(14.5)	(5.5)	1.1	0.0	4.4	(8.3)
Investigation, Restatement & Related	11.4	12.0	20.4	7.2	(2.1)	3.2	(4.5)	2.6
Impairment of Intangible Assets	0.0	0.0	1.0	0.0	0.0	0.0	0.1	0.0
Share-Based Compensation	4.4	3.7	3.9	3.2	4.1	3.8	3.6	4.0
Adjusted EBITDA ¹	11.7	7.8	10.8	5.0	3.1	7.0	3.6	(1.7)

