



# **Third-Quarter 2019 Financial Results**

## **Agenda**

#### **Introduction**

Michael Partridge, Senior Vice President, Investor Relations

### **CEO Perspective**

Jeff Leiden, M.D., Ph.D., Chairman, President and Chief Executive Officer

### **Commercial Update & TRIKAFTA Launch**

Stuart Arbuckle, Executive Vice President and Chief Commercial Officer

### **Clinical Update**

Reshma Kewalramani, M.D., Executive Vice President and Chief Medical Officer

#### **Financial Results**

Charlie Wagner, Executive Vice President and Chief Financial Officer



# Safe Harbor Statement & Non-GAAP Financial Measures

This presentation contains forward-looking statements as defined in the Private Securities Litigation Reform Act of 1995, including, without limitation, the information provided regarding future financial performance, including in the section captioned "Full Year 2019 Financial Guidance" and statements regarding (i) the timing and expected outcome of regulatory applications and reimbursement for CF medicines globally and (ii) the development plan and timelines for our product development candidates, including CTX001, VX-814, VX-864, VX-147 and VX-961. While Vertex believes the forward-looking statements contained in this press release are accurate, these forward-looking statements represent the company's beliefs only as of the date of this presentation and there are a number of risks and uncertainties that could cause actual events or results to differ materially from those expressed or implied by such forward-looking statements. Those risks and uncertainties include, among other things, that the company's expectations regarding its 2019 CF net product revenues, expenses and effective tax rates may be incorrect (including because one or more of the company's assumptions underlying its expectations may not be realized), that data from the company's development programs may not support registration or further development of its compounds due to safety, efficacy or other reasons, and other risks listed under Risk Factors in Vertex's annual report and subsequent quarterly reports filed with the Securities and Exchange Commission and available through the company's website at www.vrtx.com. Vertex disclaims any obligation to update the information contained in this presentation as new information becomes available.

In this presentation, Vertex's financial results and financial guidance are provided in accordance with accounting principles generally accepted in the United States (GAAP) and using certain non-GAAP financial measures. In particular, non-GAAP financial results and guidance exclude from Vertex's pre-tax income (i) stock-based compensation expense, (ii) revenues and expenses related to business development transactions including collaboration agreements, asset acquisitions and consolidated variable interest entities, (iii) gains or losses related to the fair value of the company's strategic investments, (iv) acquisition-related costs and (v) other adjustments. The company's non-GAAP financial results also exclude from its provision for or benefit from income taxes the estimated tax impact related to its non-GAAP adjustments to pre-tax income described above. These results are provided as a complement to results provided in accordance with GAAP because management believes these non-GAAP financial measures help indicate underlying trends in the company's business, are important in comparing current results with prior period results and provide additional information regarding the company's financial position. Management also uses these non-GAAP financial measures to establish budgets and operational goals that are communicated internally and externally and to manage the company's business and to evaluate its performance. The company adjusts, where appropriate, for both revenues and expenses in order to reflect the company's operations. The company provides guidance regarding product revenues in accordance with GAAP and provides guidance regarding combined research and development and sales, general, and administrative expenses on both a GAAP and non-GAAP basis. The company also provides guidance regarding its anticipated income taxes as a percentage of pre-tax income on a non-GAAP basis. The guidance regarding GAAP research and development expenses and sales, general and administrative expenses does not include es



## **2019 Key Goals and Milestones**

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	2018	2019			
ACHIEVE OUR VISION IN CYSTIC FIBROSIS	Phase 2 data for triple combinations in CF patients	<b>✓</b> Phase 3 data for VX-445 in patients ages 12+			
	Initiation of pivotal development of up to two triple combination regimens	Submit NDA for a triple combination regimen no later than mid-2019			
	Approval for tezacaftor/ivacaftor combination in the U.S. (Europe anticipated in 2H 2018)	U.S. approval for SYMDEKO for children ages 6 through 11			
	Advance additional next-generation correctors into	Initiate POC study of additional next-generation corrector			
	development	Phase 2 dose-ranging study of potential once-daily regimen VX-561			
EXPAND PIPELINE BEYOND CF	Advance one or more compounds from research into clinical development  Initiate clinical development of CRISPR-Cas9 treatment in Beta Thalassemia & Sickle Cell Disease	<ul> <li>Complete Phase 1 studies in at least two new diseases</li> <li>✓ Bolster pipeline with internal and external assets</li> <li>✓ Advance one or more compounds from research into clinical development</li> </ul>			
BUILD FINANCIAL STRENGTH	Significantly increase 2018 total CF product revenues	<b>✓</b> Continued CF product revenue growth			
	Obtain reimbursement for ORKAMBI in additional countries outside the U.S.	Continued uptake and reimbursement for ORKAMBI and SYMDEKO in additional countries outside the U.S.			
	— Continued management of non-GAAP combined	Continued management of non-GAAP combined R&D and SG&A expenses			
	Continue to increase operating margins and cash flows	Continued expansion of non-GAAP operating margins and cash flow			



## **Vertex Strategy and Business Model**

## A Blueprint for Serial Innovation

### **CORPORATE STRATEGY**

Vertex invests in **scientific innovation** to create **transformative medicines** for people with **serious diseases** with a focus on **specialty markets** 

### **RESEARCH STRATEGY**

Combine **transformative advances** in the **understanding of human disease** and in the **science of therapeutics** to dramatically advance human health

- Focus on validated targets that address causal human biology
- Create predictive lab assays and clinical biomarkers
- Identify rapid path to registration and approval
- Discover and develop medicines that offer transformative benefit, regardless of modality

## **DIFFERENTIATED BUSINESS MODEL** Investment of majority of OpEX in R&D and BD/external innovation Creation of Revenue growth: high high-value transformative operating margins and medicines for significant cash flow specialty markets Limited SG&A expenses and infrastructure



## Multiple Medicines to Treat Underlying Cause of CF

Increasing Access and Reimbursement for CF Patients Globally

#### **KALYDECO**

#### **Recent Accomplishments:**

- CHMP positive opinion received in EU for ages 6 <12mos.
- Reimbursement received in England for ages 18+ with R117H mutation and for ages 12mos.+ with gating mutations



#### **ORKAMBI**

#### Recent Accomplishments:

 Reimbursement received in England, Spain, Australia and Scotland for eligible patients



## SYMDEKO/SYMKEVI

#### **Recent Accomplishments:**

 Reimbursement received in England, Spain, Australia and Scotland for eligible patients



#### **TRIKAFTA**

#### **Recent Accomplishments:**

- Approved in U.S. for ages 12+
- MAA submitted to EMA for ages 12+



- Full-year 2019 total CF product revenue guidance of \$3.70 - \$3.75 billion -



## **U.S. TRIKAFTA Launch Underway**

- FDA approval received on October 21, 2019 for people ages 12+ who have at least one *F508del* mutation
- ~18,000 patients in the U.S. eligible, representing largest patient population at the time of launch
  - ∼6,000 newly eligible F/MF patients



- First patients have already been prescribed medicine
- EU MAA submitted
- Phase 3 study in children ages 6-11 currently enrolling





## **Beyond CF**

## Multiple Opportunities for Transformative Medicines

## Alpha-1 Antitrypsin Deficiency



#### Small molecule to correct protein misfolding and enable secretion of AAT from the liver

 Phase 2 study of VX-814 expected to begin in Q4 2019; clinical data from this study expected in 2020

## Sickle Cell Disease & Beta Thalassemia



## Ex vivo gene editing with goal of providing one-time curative therapy

 First clinical data from Phase 1/2 study of CTX001 expected in Q4 2019

## **APOL1-Mediated Kidney Diseases**



## Small molecule inhibitor of APOL1 function, a causal genetic factor in FSGS/other proteinuric kidney diseases

- Phase 1 study of VX-147 in healthy volunteers expected to be complete in Q4 2019
- Advancing multiple other molecules in late-stage research

#### **Pain**



## Small molecule inhibitors of NaV1.8 as a novel treatment for pain

- Proof-of-concept established in multiple pain types
- Advancing multiple selective NaV1.8 inhibitors through late-stage research and early clinical development

#### **DMD** and **DM1**



#### Novel gene editing platform to potentially restore and repair dystrophin in DMD

 Exonics Therapeutics acquisition and expanded collaboration with Crispr Therapeutics completed in Q3 2019

#### **Type 1 Diabetes**



## Potentially curative cell-based treatment and delivery system

 Semma Therapeutics acquisition completed in October 2019

## **Q3 2019 Financial Highlights**

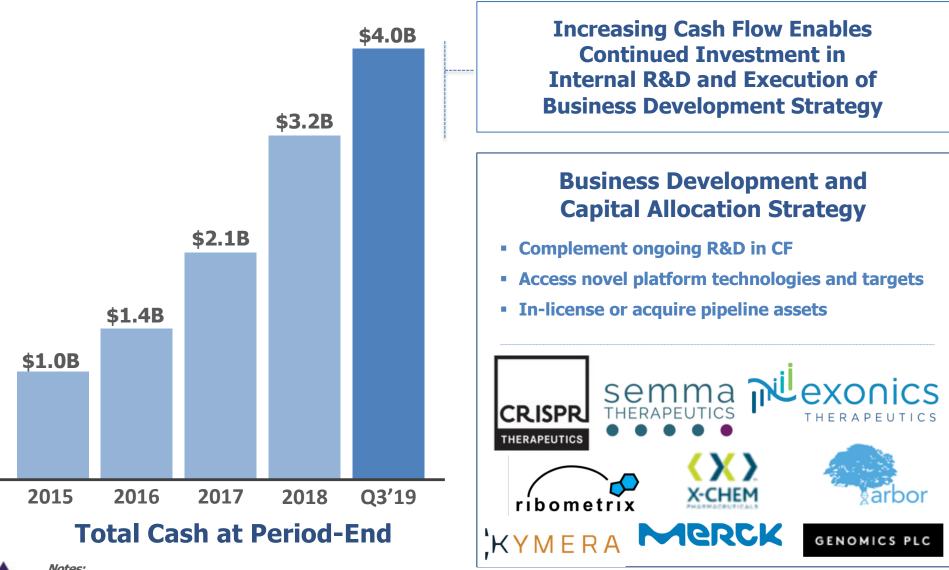
		FY				YTD
2019	Q3 18	2018	Q1 19	Q2 19	Q3 19	2019
Total CF product revenues	<u>\$783</u>	\$3.04B	\$857	<u>\$940</u>	<u>\$950</u>	\$2.75B
KALYDECO	246	1.01B	244	262	249	755
ORKAMBI	282	1.26B	293	316	297	906
SYMDEKO/SYMKEVI	255	769	320	362	404	1.09B
Combined non-GAAP R&D and SG&A	<u>379</u>	<u>1.53B</u>	<u>388</u>	<u>394</u>	<u>416</u>	<u>1.20B</u>
Non-GAAP operating income	295	1.11B	377	413	403	1.19B
Non-GAAP operating margin	38%	37%	44%	44%	42%	43%
Non-GAAP net income	282	1.06B	296	327	322	945
Non-GAAP net income per share - diluted	\$1.09	\$4.08	\$1.14	\$1.26	1.23	3.63
Cash, cash equivalents & marketable securities (period-end)		\$3.2B			\$4.0B	

#### Notes

- An explanation of non-GAAP financial measures and reconciliation of combined non-GAAP R&D and SG&A expense, non-GAAP net income and non-GAAP net income per share is included in the company's Q3 2019 press release dated October 30, 2019
- Reconciliation of non-GAAP operating income and non-GAAP operating margin to corresponding GAAP measures is included in the appendix of this presentation; totals may not add due to rounding



## **Increasing Cash Flow Enables Investment** for Future Growth



- Period-end cash includes cash, cash equivalents and marketable securities
- \$950M payment for the acquisition of Semma Therapeutics will be reflected in the period-end December 31, 2019 cash balance ©2019 Vertex Pharmaceuticals Incorporated

## **2019 Financial Guidance**

	FY 2018 Actuals	FY 2019 Guidance	FY 2019 Guidance Commentary
Total CF Product Revenues	\$3.04B	\$3.70 - \$3.75B	Guidance reflects early approval of TRIKAFTA
Combined Non-GAAP R&D and SG&A	\$1.53B	\$1.65 - \$1.70B	Non-GAAP guidance unchanged
Combined GAAP R&D and SG&A	\$1.97B	\$2.35 - \$2.45B	
Non-GAAP Effective Tax Rate		21% - 22%	The vast majority of the company's tax provision will be a non-cash expense until NOLs are fully utilized

Note: An explanation of non-GAAP financial measures and reconciliation of non-GAAP combined R&D and SG&A expense is included in the company's Q3 2019 press release dated October 30, 2019







# **Third-Quarter 2019 Financial Results**

## **Appendix**

## Reconciliation of GAAP to non-GAAP Financial Information

	Q3 2018	FY 2018	Q1 2019	Q2 2019	Q3 2019	YTD 2019
GAAP total revenues	\$785	\$3,048	\$858	\$941	\$950	\$2.75B
Non-GAAP total revenues	784	\$3,043	\$858	\$941	950	2.75B
GAAP operating income	206	635 i	277	270	99	646
Stock compensation expense	86	325	94	90	85	269
Other adjustments	4	152	6	53	218	278
Non-GAAP operating income	295	1.11B	377	413	403	1.19B
Operating Margin %:		i				
GAAP	26%	21%	32%	29%	10%	23%
Non-GAAP	38%	37%	44%	44%	42%	43%
Net income		į				
GAAP	129	2.10B	269	267	58	594
Non-GAAP	282	1.06B	296	327	322	945
Net income per share - diluted		į				
GAAP	\$0.50	\$8.09	\$1.03	\$1.03	\$0.22	\$2.28
Non-GAAP	\$1.09	\$4.08	\$1.14	\$1.26	\$1.23	\$3.63

