



# Full-Year and Fourth-Quarter 2016 Financial Results

January 25, 2017

# **Agenda**

#### **Introduction**

Michael Partridge, VP Investor Relations

## **Business Update**

Jeff Leiden, M.D., Ph.D., Chairman, President and CEO

## **Full Year and Fourth Quarter Financial Results**

Ian Smith, Executive Vice President, COO and CFO

Q&A



## **Safe Harbor Statement**

This presentation contains forward-looking statements as defined in the Private Securities Litigation Reform Act of 1995, including, without limitation, (i) information pertaining to KALYDECO and ORKAMBI and the ongoing discovery, development and commercialization of Vertex's product candidates, (ii) information regarding the Company's financial guidance for 2017 and (iii) the Company's 2017 milestones and goals. While the Company believes that these forward-looking statements are accurate, these statements are subject to risks and uncertainties that could cause actual outcomes to differ materially from the Company's current expectations. These risks and uncertainties include, among other things, that the Company's expectations regarding its 2017 revenues and expenses may be incorrect (including because one or more of the Company's assumptions underlying its expectations may not be realized), the risk 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 the risks and uncertainties listed in the Company's January 25, 2017 press release and under Risk Factors in the Company's 10-K and other fillings with the SEC.



## **Non-GAAP Financial Measures**

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 stock-based compensation expense, revenues and expenses related to consolidated variable interest entities, costs and credits related to the relocation of the company's corporate headquarters and hepatitis C-related revenues and costs and other adjustments. 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 a non-GAAP basis. The guidance regarding GAAP research and development expenses and sales, general and administrative expenses does not include estimates regarding expenses associated with any potential business development activities. A reconciliation of the GAAP financial results to non-GAAP financial results is included in the Company's January 25, 2017 press release.



# **Growing Our Business in 2017 and Beyond**



**Treating more patients** 



**Creating new CF medicines** 



Reinvesting in other serious diseases



#### **Growth for ORKAMBI**

#### Increasing the Number of Eligible Patients Treated

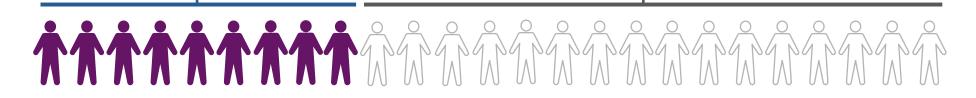
~25,000 Patients Eligible for Treatment with ORKAMBI in US, Europe, Australia and Canada

### **Initiated ORKAMBI**

### **Not Initiated ORKAMBI**

~9,000 Patients

~16,000 Patients



~13,000 Patients Outside the U.S., Primarily Those Awaiting Formal Reimbursement Approvals



# **Vertex CF Pipeline**

**RESEARCH** PHASE 1 PHASE 2 PHASE 3 **APPROVED** CRISPR-Cas9 **ORKAMBI®** VX-659 VX-440, VX-152 tezacaftor **mRNA KALYDECO®** (VX-661) VX-445 VX-371 **Small Molecules** 

# RESEARCH CRISPR/Cas9

Gene editing research collaboration

#### **mRNA**

 Research collaboration and licensing agreement to develop mRNA Therapeutics™

#### **Small Molecules**

 Additional next-gen correctors potentially increasing benefit

#### PHASE 1

# Next-Generation Correctors:

- Phase 1 study of VX-659 ongoing
- Phase 1 study of VX-445 planned for Q1 2017

#### PHASE 2

# Next-Generation Correctors:

 Phase 2 studies of VX-440 and VX-152 ongoing

#### ENaC:

 Phase 2 study of VX-371 in combination with ORKAMBI ongoing

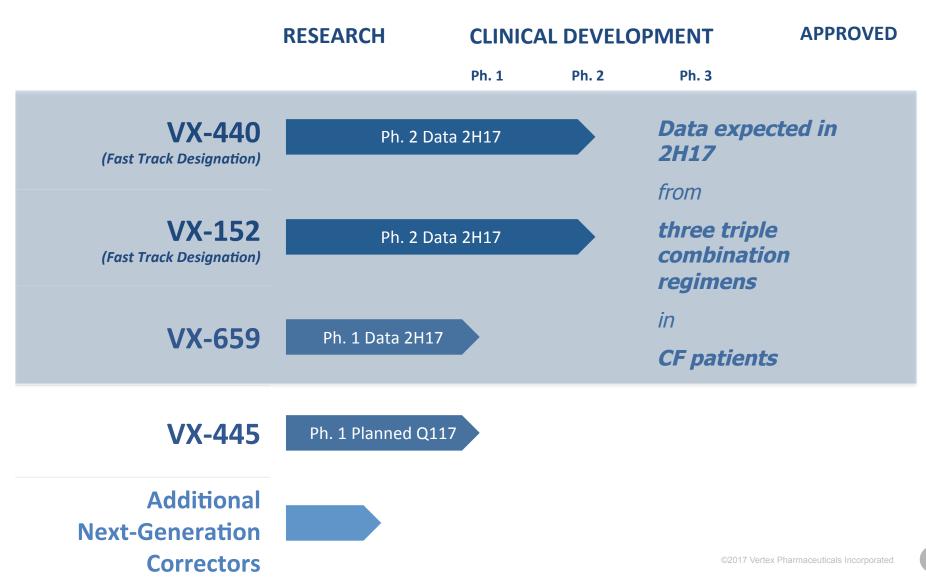
#### PHASE 3

- Ongoing broad Phase 3 program
- Key role in development of triple combination regimen

#### **APPROVED**

 First medicines to treat the cause of CF for people with specific mutations in the CFTR gene

# **Broad Portfolio of Next-Generation Correctors**



# **Learnings in CF Have Transformed Our Investments in Early Research**

# Vertex invests in scientific innovation to create transformative medicines for specialty diseases.

#### RESEARCH PRINCIPLES

- Focus on validated targets that address causal human biology
- Create lab assays and clinical biomarkers to predict clinical response
- Discover and develop medicines that offer transformative benefit
- Identify rapid path to registration and beyond

# DISEASES CURRENTLY BEING TARGETED IN VERTEX RESEARCH

**Adrenoleukodystrophy (ALD)** 

**Alpha-1 Antitrypsin Deficiency (AATD)** 

Sickle Cell Disease & Beta Thalassemia

**Polycystic Kidney Disease** 

# **Key Q4 and Full Year 2016 Financial Metrics**

(in \$M except per share data)	Q4 2016	FY 2016
ORKAMBI Revenues	\$277M	\$980M
KALYDECO Revenues	\$177M	\$703M
Total CF Revenues	\$454M	\$1.68B
Non-GAAP Combined R&D and SG&A Expense	\$295M	\$1.20B
Non-GAAP Net Income	\$88M	\$211M
Non-GAAP Net Income Per Share	\$0.35	\$0.85
Cash Balance at December 31, 2016*	\$1.43B	

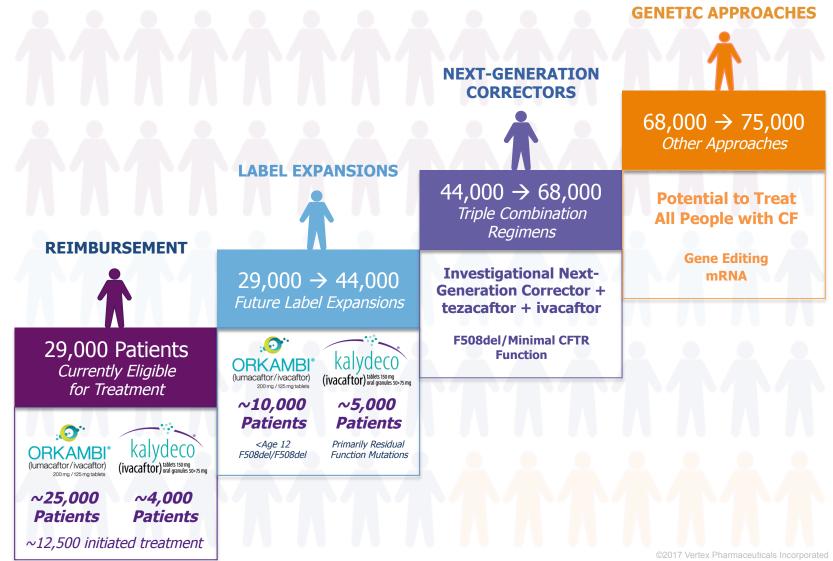
<sup>\*</sup> Cash includes cash, cash equivalents and marketable securities. As of December 31, 2016, the company had \$300M of term debt.

An explanation of our Non-GAAP financial measures and reconciliation of Non-GAAP combined R&D and SG&A expense is included in our January 25, 2017 press release.

# **2017 Financial Guidance**

	FY2017 Guidance
ORKAMBI Revenues	\$1.1 - \$1.3B
KALYDECO Revenues	\$690 - \$710M
Total CF Revenues	\$1.79 - \$2.01B
GAAP Combined R&D and SG&A Expense	\$1.55 - \$1.70B
Non-GAAP Combined R&D and SG&A Expense	\$1.25 - \$1.30B

# **Path to Treating All Patients**



# **Key 2017 Milestones and Goals**

	Phase 3 tezacaftor/ivacaftor data in multiple mutations (1H 17)
CYSTIC FIBROSIS	Phase 2 proof-of-concept data for two triple combination regimens in CF patients (2H17)
	Phase 1 data for for VX-659 triple combination in CF patients (2H 17)
	Clinical development of a 4 <sup>th</sup> next-generation corrector (Q1 17)
FINANCIAL	Total CF revenues of \$1.79 - \$2.01B
	Obtain reimbursement for ORKAMBI in multiple countries outside the U.S.
	Non-GAAP combined R&D and SG&A expenses of \$1.25 - \$1.3B
PIPELINE	Bolster the CF and non-CF pipeline with internal and external assets
	Advance one or more compounds from research into clinical development