

## BUSINESS **OVERVIEW**

PRESIDENT AND CEO Chuck Kummeth

HEADQUARTERS Minneapolis, MN

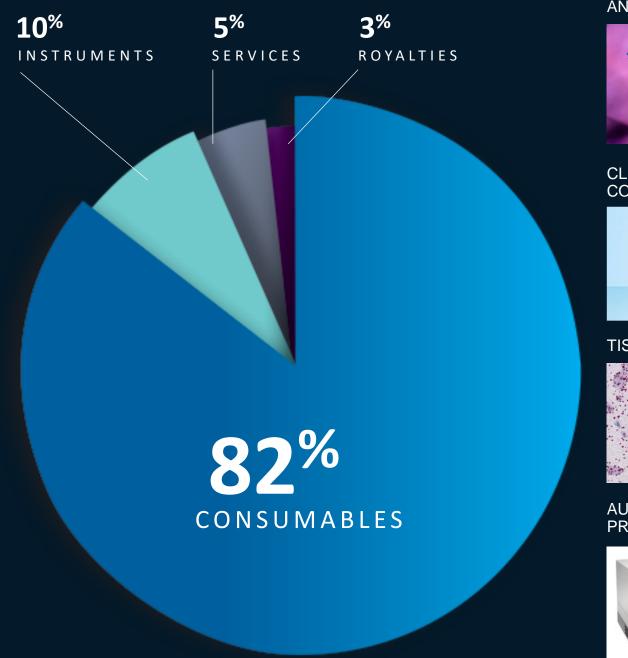
NUMBER OF EMPLOYEES ~2,235

WORLDWIDE PRESENCE 35 Locations

FY2019 REVENUES \$714M

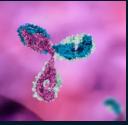
NASDAQ **TECH** 

MARKET CAP ~\$8B





**PROTEINS** 



**CLINICAL CONTROLS** 

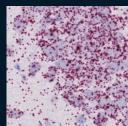
**IMMUNOASSAYS** 

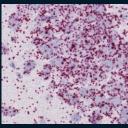




**TISSUE BIOPSY** 

LIQUID BIOPSY





**AUTOMATED PROTEIN ANALYSIS** 





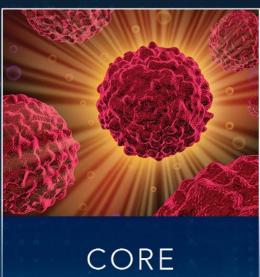
## biotechne HISTORICAL ORGANIC GROWTH



## TOP STRATEGIES







CORE PRODUCT INNOVATION

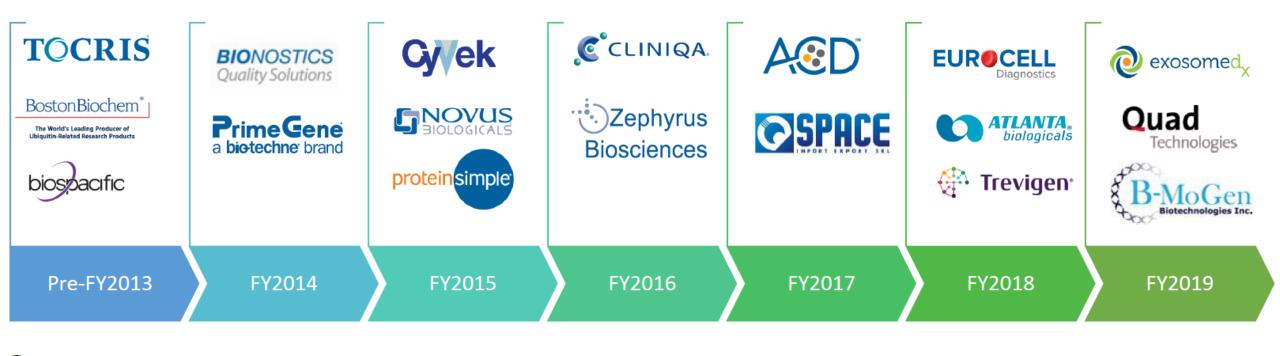


GAP FILLING
M&A &
MARKET
EXPANSION



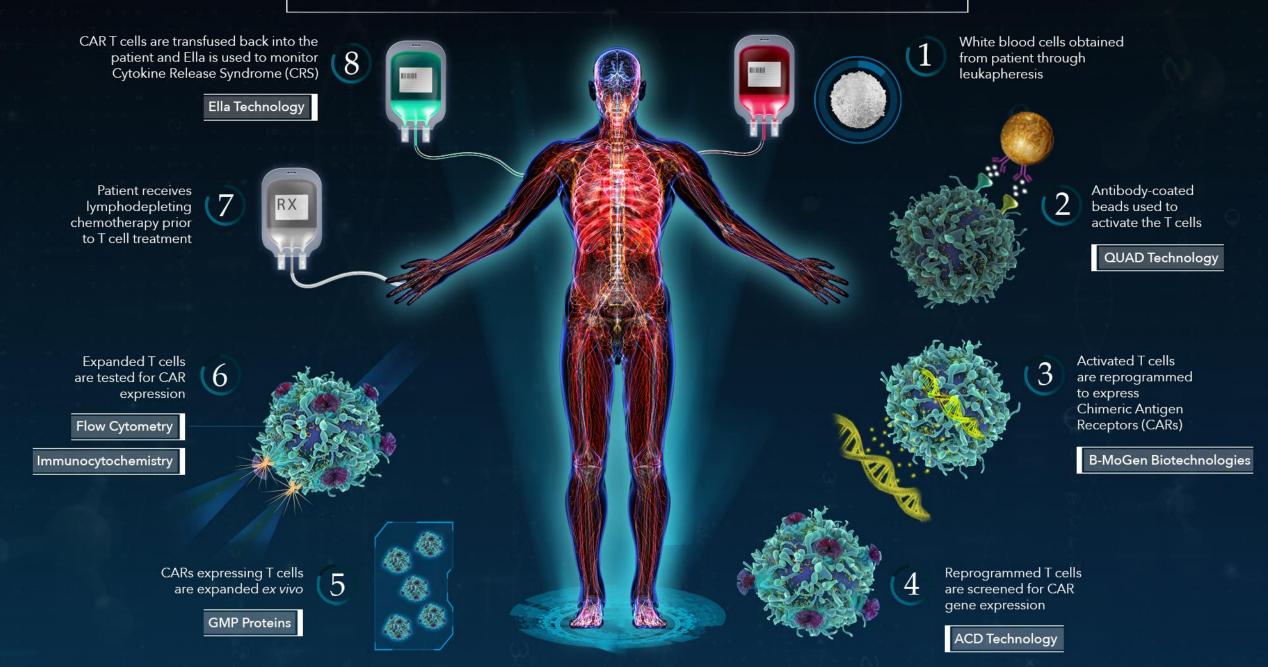
CULTURE CREATION & TALENT

## DISCIPLINED M&A AND INVESTMENT STRATEGY





### IMMUNE CELL THERAPY OPPORTUNITIES



# LIQUID BIOPSIES: CTCS, CFDNA & EXOSOMES

KEY PROPERTIES:	CTCs	cfDNA	Exosomes
FREQUENCY	Infrequent in early stages of disease	Difficult to find within "noise" of contaminating DNA	ABUNDANT
ABILITY TO ENRICH OR SELECT	YES	NO	YES
QUALITY OF ISOLATED NUCLEIC ACIDS	GOOD	Poor due to enzymes exposure	HIGH-QUALITY- SHIELDED

## LIQUID BIOPSIES: THE EPI TEST

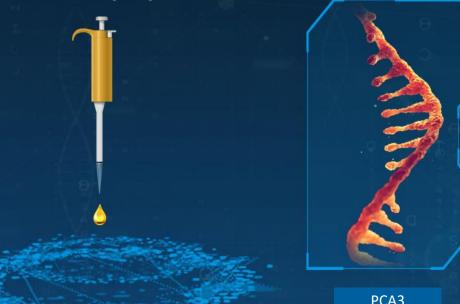


#### THE WORKFLOW:

URINE SAMPLE



PATENTED **EXOSOMAL RNA** EXTRACTION



QRT-PCR ANALYSIS



PCA3

**SPDEF** 

**ERG** 

MULTIVARIATE ALGORITHMIC ANALYSIS

RESULT:

ExoDx<sup>®</sup> Prostate(IntelliScore)

An increasing EPI score correlates with greater risk of high-grade prostate cancer (HGPCa) on biopsy

#### INTENDED USE:

The EPI<sup>TM</sup> risk score is used to risk stratify likelihood of high grade (GS > 7) prostate cancer on initial biopsy in men 50 years and older, with a PSA 2-10 ng/mL.

## AS WE LOOK FORWARD, OUR FINANCIAL GOALS GET LARGER





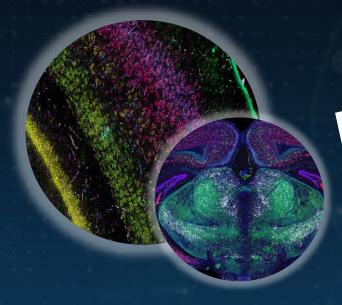


	OM% in 5 yrs
<ul><li>Analytical Solutions</li><li>Reagent Solutions</li></ul>	~30% +50%
Protein Sciences	Mid 40s%
<ul> <li>Diagnostics</li> <li>Genomics — ACD</li> <li>Genomics — Exo Dx</li> </ul>	~30% mid 30s% ~30%
Diagnostics & Genomics	Low 30s%

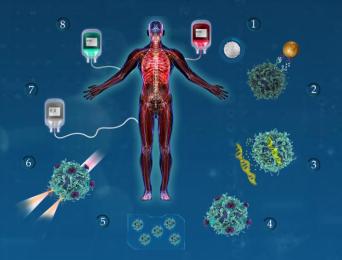
<sup>\*</sup> All figures are expressed in millions.

<sup>\*\*</sup> Assumes no further unannounced acquisitions

#### TISSUE BIOPSY



#### CELL CULTURE & **GENE THERAPY**



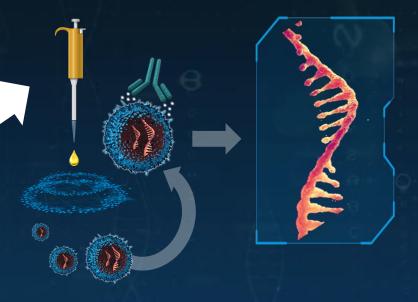
## SYNERGIES



- ANTIBODIES
- PROTEINS
- IMMUNOASSAY
- CALIBRATIORS & CONTROLS
- SMALL MOLECULES

SYNERGIES

#### LIQUID BIOPSY



INSTRUMENTS - PROTEIN ANALYSIS

