

# How does qPCR compare to PlexSet™ Reagent Technology?

## EXPERIMENT:

Measure 48 different genes on 96 different samples

### Any PCR

vs

### PlexSet



Your Usual Cost (\$X)



RNA Extraction



Not Needed!



Your Usual Cost (\$Y)



RT Reaction



Not Needed!



Your Usual Cost (\$Z)



DNA Cleanup & Concentration



Not Needed!



Triple Cost per Sample  
(2-3 replicates)



Sample Cost for Replicates



Not Needed!



$\$X + \$Y + \$Z$



Price per Reaction/Sample



20% Less than qPCR<sup>1</sup>



12 Hours

(48 plates x 15 minutes setup each)



Setup Time



30 Minutes

(1 plate, 1 setup)



36 Hours

(48 plates x 45 minutes<sup>2</sup> per run)



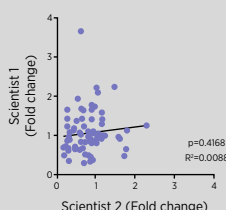
Run Time



18 Hours

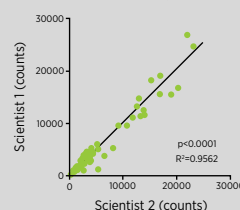
(one run only, overnight)

Experimental/Biological Replication<sup>2</sup>



Sample of  
Data Output

Experimental/Biological Replication<sup>2</sup>



### qPCR RESULTS:

$\$X + \$Y + \$Z$   
52 Hours Total<sup>3</sup>  
12 Hours Hands-On Time<sup>3</sup>  
4 Hours of Data Analysis

### PLEXSET RESULTS:

Low Cost  
24 Hours Total  
30 Minutes Hands-On Time  
15 Minutes of Data Analysis

1. Poster presentation from Dartmouth Core lab at ABRF 2017 [www.nanostring.com/Dartmouth-poster](http://www.nanostring.com/Dartmouth-poster)

2. Conference talk from Mitobridge at ASHG 2017 [www.nanostring.com/Mitobridge-webinar](http://www.nanostring.com/Mitobridge-webinar)

3. Calculated with the fastest qPCR instrument available as of 2017

LEARN MORE AT:  
[nanostring.com/PlexSet](http://nanostring.com/PlexSet)