

# TransPLEX® C-WTA Kit

Whole Transcriptome Amplification for Library Construction for Clinical Use



The patented\* TransPLEX® C-WTA Kit is optimized for amplification of RNA from difficult samples such as FFPE and serum. The reagent formulations have been designed and optimized to yield a large library from as little as 10 ng of input RNA. TransPLEX C-WTA Kit is available for diagnostic use and is manufactured under cGMP.

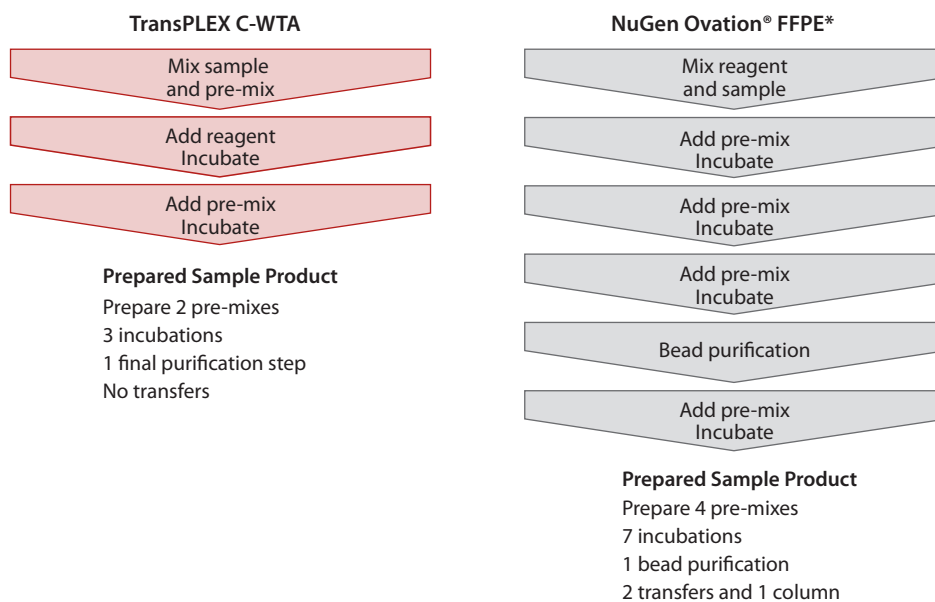
*\*Protected by US Patent 8,206,913 and EU pending applications*

- Proven technology with simple workflow
- Superior performance with high reproducibility
- Manufactured under cGMP
- High success rate- >90% with FFPE specimens

“RUBICON’S TRANSPLEX RNA AMPLIFICATION TECHNOLOGY FOR FFPE SAMPLES WAS A STANDOUT IN OUR EVALUATION OF THE AVAILABLE OPTIONS FOR USE WITH OUR SYMPHONY PRODUCTS FOR THE DIAGNOSIS AND MANAGEMENT OF BREAST CANCER.”

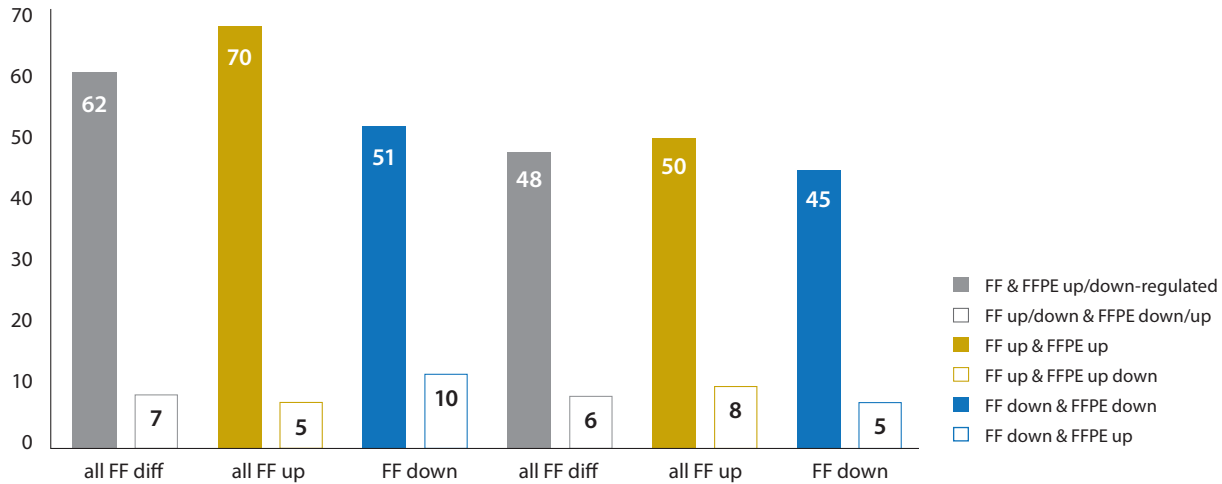
DAVID MACDONALD, CEO OF AGENDIA

## TransPLEX Workflow is Readily Adaptable to Clinical Applications



*\*Workflow sourced from Ovation® FFPE WTA System User Guide*

## Transplex C-WTA Provides Clinically Relevant Data



### % Concordance with Clinically Relevant Differential Expression

Amplification Method	All Genes	Genes Up-Regulated	Genes Down-Regulated
TransPLEX C-WTA	62%	70%	51%
WT-Ovation FFPE v2	48%	50%	45%

A total of 52 archived FFPE samples were amplified with the TransPLEX C-WTA kit or NuGen Ovation® V2 kit and expression analysis performed by microarrays. Samples prepared with the TransPLEX C-WTA kit shows a strong concordance (62%) of clinically relevant genes with fresh-frozen samples. In addition, the TransPLEX C-WTA kit demonstrated greater concordance than the NuGen Ovation v2 Kit with all genes as well as those up- and down-regulated.

### Recent Publications

Kim JH, Dhanasekaran SM, Prensner JR, Cao X, Robinson D, Kalyana-Sundaram S, Huang C, Shankar S, Jing X, Iyer M, Hu M, Sam L, Grasso C, Maher CA, Palanisamy N, Mehra R, Kominsky HD, Siddiqui J, Yu J, Qin ZS, Chinnaiyan AM. (2011)

"Deep sequencing reveals distinct patterns of DNA methylation in prostate cancer," *Genome Res.* 2011 Jul; 21(7):1028-41. DOI: 10.1101/gr.119347.110.

Gonzalez-Roca, E. Garcia-Albeniz, X. Rodriguez-Mulero, S. Gomis, RR. Kornacker, K. Auer, H. (2010)

"Accurate expression profiling of very small cell populations," *PLoS ONE* 5(12):e14418

### Ordering Information

TransPLEX C-WTA is available exclusively from Rubicon Genomics solely for use in diagnostic applications using human, animal, or plant sourced material.

For research use only, TransPLEX WTA is available from Sigma Aldrich, [www.sigma-aldrich.com](http://www.sigma-aldrich.com).

Contact [busdev@rubicongenomics.com](mailto:busdev@rubicongenomics.com) for information.

