

NuGEN™ Product Offering

Spanning RNA input levels, amplification approaches and analytical platforms:

Ovation™ Product	Reagents included in kit	Input (total RNA)	cDNA Yield	Procedure Time	3' System (Oligo dT primed)	Whole Transcriptome (Oligo dT and Random Primed)	Affy GeneChip®	Agilent & Spotted Arrays	qPCR
WT-Ovation™ Pico System Cat# 3300-12	Amplification	500pg- 50 ng	6-10 µg	5 hours		✓	✓*		✓ Use qPCR reagent without UNG
WT-Ovation™ System Cat# 2210-24	Amplification	5 -50 ng	1.5-4 µg	3.5 hours		✓			✓
Ovation™ Biotin System Cat# 2300-(12, 60,100)	Amplification, Fragmentation and labeling	5-100 ng	4-7 µg	5.5 hours	✓		✓		✓ Use qPCR reagent without UNG
Ovation™ RNA Amp System V2 Cat# 3100 (12, 60)	Amplification (same amp reagents and procedure as cat# 2300)	5-100 ng	4-7 µg	3.5 hours	✓		✓*		✓ Use qPCR reagent without UNG
Ovation™ Aminoallyl System Cat# 2101-12	Amplification	5-100 ng	5-10 µg	4 hours	✓			✓	✓
FL-Ovation™ cDNA Biotin Module v2 Cat #4200-12, 60 (labeling kit)	Fragmentation and Labeling	Max of 5 µg (cDNA)	5 µg F&L cDNA	1.75 hours	N/A	N/A	✓**		
Ovation™ Whole Blood Reagent Cat# 1300-12, 60	Reagent for Whole Blood Solution***	N/A	N/A	N/A	N/A	N/A	✓***		

* Requires FL-Ovation cDNA Biotin Module v2

** Requires WT-Ovation Pico System or Ovation RNA Amplification System V2

*** Requires Ovation™ RNA Amp System V2 , FL-Ovation™ cDNA Biotin Module v2 and the Ovation™ Whole Blood Reagent

See Reverse

Ovation™ Product	DNAase Treatment	Best for degraded samples	Magnetic plate req'd	Avg. Product length	# rxns/ kit	Labeling method for arrays	Amt. Hyb to array
WT-Ovation™ Pico System Cat# 3300-12	Required	✓✓	✓	340 bases	12	FL-Ovation™ cDNA Biotin Module v2	N/A
WT-Ovation™ System Cat# 2210-24	Required	✓	Optional	375 bases	24	N/A	N/A
Ovation™ Biotin System Cat# 2300- (12, 60, 100)	As needed		Optional	900 bases (85 after frag)	12, 60, 100	Kit labeling reagents	10ng/ul (2.2ug for std array)
Ovation™ RNA Amp System V2 Cat# 3100-12, 60	As needed		Optional	901 bases (85 after frag)	12, 60	FL-Ovation™ cDNA Biotin Module v2	17ng/ul for std array with FLv2
Ovation™ Aminoallyl System Cat# 2101-12	As needed		Optional	900 bases	12	Any Amine-reactive label	1.5-2ug
FL-Ovation™ cDNA Biotin Module v2 Cat# 4200-12, 60 (labeling kit)	N/A		N/A	N/A	12,60		17ng/ul with OV RNA Amp V2 23ng/ul with WT-OV Pico
Ovation™ Whole Blood Reagent Cat# 1300-12,60	N/A	N/A	N/A	N/A	12,60	FL-Ovation™ cDNA Biotin Module v2	N/A