

ExpressArt[®] mRNA Amplification Technology for FFPE Samples



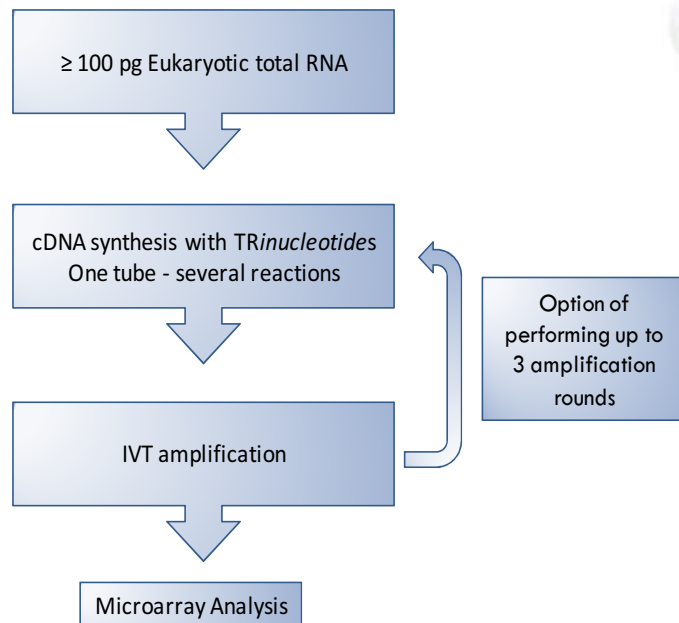
AMSBIO introduces the new C&E ExpressArt[®] amplification kits, add-on modules and reagents. ExpressArt[®] amplification technology provides simple protocols with unique advantages to overcome many of the current problems associated with other techniques for mRNA amplification.

Challenges of performing microarray analysis using FFPE samples

- Handling, storage and RNA isolation results in degraded total RNA not suitable for microarray analysis
- Cross-Linking of RNA-protein and RNA-RNA inhibit reverse transcription
- Chemical modification such as methyl-adenines and dimerized adenines limit 3'-poly(A) binding

ExpressArt[®] Features for the new FFPE mRNA amplification kits and reagents:

- Enable the use of degraded RNA, maintaining uniform representation of all mRNA sequences
- Amplifies sufficient RNA for microarray analysis from as little as 1 nanogram of total RNA
- Provides unique DeCrossLinker reagents, universal nuclease and RNase inhibitor for improved RNA quality
- Samples from two and three rounds of amplification are directly comparable
- Eliminates primer derived artifacts



ExpressArt® Product Line

The Standard ExpressArt® C&E mRNA amplification kits for high quality eukaryotic mRNA

	Input total	Cat. No.	£	CHF	€	\$
C&E MICRO kit for 30x 1-round (30 reactions)	0.3-3 µg	7199-A30	965	2070	1235	1865
C&E NANO kit for 15x 2-rounds (30 reactions)	1-700 ng	7299-A15	965	2070	1235	1865
C&E PICO kit for 15x 3-rounds (45 reactions)	100-1000 pg	7399-A15	1445	3100	1850	2795

Special I ExpressArt® TRinucleotide mRNA amplification kits for degraded mRNA, FFPE mRNA, and Exon arrays

C&E TR MICRO kit for 30x 1-round (30 reactions)	0.3-3 µg	6199-A30	1465	3145	1875	2830
C&E TR NANO kit for 15x 2-rounds (30 reactions)	1-700 ng	6299-A15	1465	3145	1875	2830
C&E TR PICO kit for 15x 3-rounds (45 reactions)	100-1000 pg	6399-A15	2190	4705	2810	4240

Special II ExpressArt® bacterial mRNA amplification kits

C&E Bacterial MICRO kit for 30x 1-round (30 reactions)	0.3-3 µg	5199-A30	1465	3145	1875	2830
C&E Bacterial NANO kit for 15x 2-rounds (30 reactions)	1-700 ng	5299-A15	1465	3145	1875	2830

ExpressArt® Add-On Modules

	Rxns					
AminoAllyl Add-On Module - excludes NHS-activated dyes	30	2000-A15	280	600	360	545
AminoAllyl Add-On Module - excludes NHS-activated dyes	15	2000-A30	180	380	225	340
Archival Template Add-On Module	30	2010-A15	315	675	405	610
Archival Template Add-On Module	15	2010-A30	210	450	270	405

ExpressArt® Reagents

	Sample No.					
Pico RNA Care	100 samples	8999-A100	206	560	335	505
NucleoGuard (NG)	50 ml lysate	8998-M50	105	225	135	205
FFPE RNA Enhance	50 ml lysate	8990-M50	245	525	315	475

ExpressArt® Add-On Modules

AminoAllyl Add-On Module - Generation of aminoallyl modified RNAs

Archival Template Add-On Module - Generation of immobilised template DNAs

ExpressArt® Reagents

Pico RNA Care - Carrier compounds for very small samples (< 10 ng RNA)

NucleoGuard (NG) - Universal nuclease and RNase inhibitor for improved RNA quality

FFPE RNA Enhance - Combination of DeCrossLinker (DCL) (reversal of FFPE cross-links) and NG

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