

# SensationPlus™ FFPE Amplification Kit

P/N 902037 (12 reactions)  
P/N 902026 (24 reactions)

**For Research Use Only**  
**Not for use in diagnostic procedures.**

## Intended Use

This package insert provides information for the SensationPlus™ FFPE Amplification Kit. This kit is available in two configurations: 12- or 24-reactions.

This kit includes all the necessary reagents for amplifying RNA from FFPE samples for analysis on Affymetrix® GeneChip® Expression Arrays.

## Introduction

The SensationPlus FFPE Amplification Kit uses a unique RNA amplification method that produces thousands of nearly identical copies of each original RNA molecule. Based on a linear amplification method using T7 RNA polymerase, SensationPlus is simple to use and generates high quality amplified RNA from degraded RNA samples.

The SensationPlus FFPE Amplification Kit is designed for one round of whole transcriptome amplification using both random and dT primers in the first-strand cDNA Synthesis step allowing researchers to perform global gene expression analysis on small, degraded RNA isolated from FFPE samples. The system is comprised of reagents and a protocol for amplification of 20 to 200 ng of FFPE-derived total RNA.

## Kit Components

Module	Component
<b>First Strand cDNA Synthesis Reagents</b>	Nuclease-Free Water
	RNase Inhibitor
	RT Buffer Mix
	RT Enzyme Mix
	DTT
	RT Primer Mix
	dNTP Mix
<b>Promoter Synthesis and IVT Reagents</b>	Control DNA
	Tailing Buffer Mix
	Tailing Enzyme Mix
	Promoter Synthesis Buffer Mix
	Promoter Synthesis Enzyme Mix
	T7 Nucleotide Mix
	T7 Buffer Mix
T7 Enzyme Mix	
<b>RNA Purification Beads</b>	RNA Purification Beads Amplification

## Shipping and Storage

The components of the SensationPlus FFPE Amplification Kit are separated into three modules with each module requiring the following storage conditions:

- First Strand cDNA Synthesis Reagents should be stored at –20°C.
- Promoter Synthesis and IVT Reagents should be stored at –20°C.
- RNA Purification Beads should be stored at 4°C.

## Safety Information

A Material Safety Data Sheet(s) (MSDS) is available at [www.affymetrix.com](http://www.affymetrix.com). The MSDS(s) are sent only on the first shipment, unless a substantial revision occurs. If the product is a kit or is supplied with more than one material, please refer to the MSDS for each component for hazard information.

## Functional Testing

Every lot is rigorously tested for performance.

SensationPlus™ FFPE Amplification Kit

## Ordering Information

P/N	Product Name	Description/Size
902037	SensationPlus™ FFPE Amplification Kit	12 Reactions
902026	SensationPlus™ FFPE Amplification Kit	24 Reactions
<b>Supporting Products</b>		
902038	SensationPlus™ 3' IVT Labeling Kit	12 Reactions
902027	SensationPlus™ 3' IVT Labeling Kit	24 Reactions
902039	SensationPlus™ FFPE Amplification and 3' IVT Labeling Kit	12 Reactions
902028	SensationPlus™ FFPE Amplification and 3' IVT Labeling Kit	24 Reactions
902041	SensationPlus™ WT Labeling Kit	12 Reactions
902030	SensationPlus™ WT Labeling Kit	24 Reactions
902042	SensationPlus™ FFPE Amplification and WT Labeling Kit	12 Reactions
902031	SensationPlus™ FFPE Amplification and WT Labeling Kit	24 Reactions
900720	GeneChip® Hybridization, Wash, and Stain Kit <sup>1</sup>	Sufficient for 30 Reactions
900454	GeneChip® Hybridization Control Kit	30 Reactions
900457	GeneChip® Hybridization Control Kit	150 Reactions
900433	GeneChip® Poly-A RNA Control Kit	Sufficient for 100 Reactions

1. Each kit contains one (1) Hybridization Module, one (1) Stain Module, three (3) bottles of Wash Buffer A and one (1) bottle of Wash Buffer B, sufficient for 30-reactions. Individual kit components may be ordered separately.

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