

Leadshpere[™] Lyophilization Technology



- No more cooling systemReduced assay turnaround time
- Ease of handling for IVD tests
 - Ideal for point-of-care testing

Why choose LeadsphereTM technology?

Sphere format to ease aliquot

Assure activities of your biomolecules

Work with 20 μ l mixture (~ 3.3 mm diameter) or more

Fully custom process and customer support



LEADSPHERE™ Lyophilization Technology serves as a platform to ease the development of your reagents in lyophilized and in stable sphere format while maintaining the components' bioactive condition at room temperature for at least 12 months. A notable example is **LEADSPHERE™Proteinase K**, which has all advantages of LEADSPHERE™Lyophilization Technology and further features in

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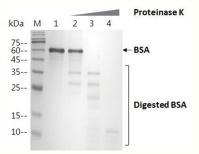
Supports "pick and place" automation system for commercial-scale production.

Reduces pipetting step and simplifies protocols for end users.

 \mathbf{M} Allows direct mixing with various sample types.

Molecules that can be used in LeadSphere ${}^{\scriptscriptstyle\rm TM}$ technology:

Antibodies, Proteins, Enzymes, Chemicals, PCR Mixture

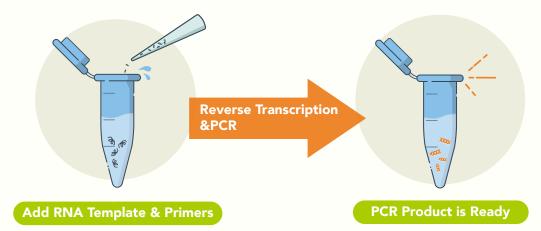


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Leadgene[®] One-step RT-PCR Master Mix



Reverse transcription (RT) and PCR can be performed as a one-step process by combining a reverse transcriptase and a DNA polymerase, allowing a specific and swift nucleic acid amplification using RNA as a template. This simple reaction requires a complex and optimized buffer system, and it can be accomplished with Leadgene' s innovative one-step RT-PCR master mix.

What are the benefits of Leadgene® One-Step RT-PCR Mix?

- Trump the traditional two-step method, which requires converting RNA to cDNA before PCR amplification.
- Compatible with Leadsphere[™]Lyophilization Technology for a lyophilized format (glycerol-free)
- Optimized for quantitative PCR and isothermal PCR systems in various composition sets for different assay conditions:

PCR System	Detection Method	Product
One-step quantitative PCR	Fluorescence	Leadgene® 2X One-Step Probe RT-qPCR Master Mix
	Fluorescence	Leadgene® 5X One-Step Probe RT-qPCR Master Mix
One-step isothermal PCR	Colorimetry	Leadgene® 2X Colorimetric RT-LAMP Master Mix
	Fluorescence	StablePlus™ 2X Colorimetric RT-LAMP Master Mix
	Fluorescence	Leadgene® 2X Fluorescent RT-LAMP Master Mix
	Fluorescence	StablePlus™ 2X Fluorescent RT-LAMP Master Mix

