

Aptamer Taq HS (glycerol free) Product Handling Guide

Shipping:	On Dry/Blue Ice
Catalog number:	MDX015
Batch No.:	See vial
Concentration:	50 U/ μ L

Store at -20°C



Storage and stability:

Aptamer Taq HS (glycerol free) is shipped on dry/blue ice. On arrival store at -20°C for optimum stability. Repeated freeze/thaw cycles should be avoided. Thawing during transportation does not affect the product performance. Solutions should be mixed/equilibrated after each thawing to avoid phasing.

Expiry:

When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

Safety precautions:

Read and understand the SDS (Safety Data Sheets) before handling the reagents. Hardcopies of the SDS will be provided with the first shipment, thereafter they will be available upon request.

Quality control:

Meridian operates under ISO 13485 Quality Management System. Aptamer Taq HS (glycerol free) and its components are extensively tested for activity, processivity, efficiency, heat activation sensitivity, absence of nuclease contamination and absence of nucleic acid contamination.

Notes:

This reagent has been manufactured under 13485 Quality Management System and is suitable for further manufacturing use as an IVD component.

Description

Aptamer Taq HS (glycerol free) contains a lyophilization-compatible Taq DNA polymerase and aptamer to create a reversible, temperature-dependent hot-start system. Aptamer Taq HS (glycerol free) is suitable for difficult, multiplex molecular tests that require fast amplification, whilst maintaining both high specificity and sensitivity.

Aptamer Taq HS (glycerol free) can be used to produce lyophilized, ambient-temperature stable PCR or qPCR reagents; add Aptamer Taq HS and primers and probes into an appropriate reaction buffer prior to lyophilization.

Kit Components

Table 1.

Reagents
Aptamer Taq HS (glycerol free)
Enzyme Dilution Buffer, 10x

User Guidelines

Thawing during transportation does not affect the product performance. Prior to use or storing at -20°C , the thawed Aptamer Taq HS (glycerol free) must be thoroughly mixed by 10 inversions.

Prepare a 1x Enzyme Dilution Buffer to dilute the enzyme to a final working stock concentration. Use 0.1 U/ μ L per reaction or, to optimize, titrate in the range 0.4-0.05 U/ μ L.

Addition of non-ionic detergents, or a suitable alternative, to the reaction mix can prevent adsorption and stabilize Aptamer Taq HS (glycerol free) during PCR.

Related Products	Cat. No.
Taq PCR Buffer, 5x	MDX002
Lyo-Ready qPCR Buffer, 2.5x	MDX022
Lyo-Ready qPCR Buffer w/o Excipients, 4x	MDX061
dNTP Mix, 100mM	MDX051
Enzyme Dilution Buffer, 10x	MDX080

Technical Support

For any technical enquiries, please contact our Technical Support team via email at: mbi.tech@meridianlifescience.com