

Doc Name:	Material Safety Data Sheet (MSDS) for RNA Fast qPCR Mix (4X) with UDG		
Doc No.	MSDS/HL/61	Ver No:00	Effective from: 02/11/23

1	Company identification	HLSS Manufacturing Pvt Ltd Plot No's M14, M15, M16, TSIIC Medical device park Sulthanpur villiage, Ameenpur Mandal, Sangareddy Dist, TS-502319 Emergency Contact Tel: +91-08413-232256/ +91 9052226226 Email: info@huwellifesciences.com http://www.huwellifesciences.in
2	Product identification	
2.1	Name of the Product	: RNA Fast qPCR Mix (4X) with UDG
2.2	Product Code	: HL - URFCqPM4X
2.3	Pack size (No. of rxns)	: 625 μΙ
2.4	Intended use:	RNA Fast qPCR Mix (4X) with UDG is premixed with concentrated reagents ready to use for real-time Polymerase chain reactions (PCR). RNA template can be directly used for cDNA synthesis followed by amplification in a single tube which greatly reduces the total experimental time. The RNA Fast qPCR mix comes with all the necessary reagents that are required for cDNA synthesis and amplification in a single experimental setup. The QuickStart Polymerase Enzyme included in the premix (4X) greatly reduces the reaction time thereby speeding up the entire process. The 4X concentrated mix should be diluted to 1X with the template, primers, probes, and molecular grade water. In the regular PCR program, before the actual start of the amplification cycle, the inclusion of an additional step of 5 minutes at 53oC for cDNA synthesis facilitates the completion of the entire experiment in a single PCR Program. The reagent along with Reverse transcriptase, Taq DNA Polymerase enzyme, and dNTPs come with dUTP and Uracil DNA Glycosylase (UDG) enzyme. The incorporation of dUTP in place of dTTP to the growing strand during PCR makes it an ideal degradation target for the UDG enzyme. The UDG enzyme gets inactivated at higher temperatures and therefore does not interfere with the amplification while clearing out any potential contamination that may be carried over from previous experiments. The mix is available with and without UDG.
2.5	Composition/ Information on reagents:	The product contains RNA Fast qPCR Mix (4X) with UDG Note: This product is for research use only. This product must be used by scientists/ laboratory technicians with strong knowledge on molecular biology as per Good Laboratory practice (GLP) and product insert/

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			instruction manual.		
3	Hazards identification		when following the specific package ins	precautions listed with ert. None of the compone us as defined by the Occ A). : No k : No ir : May	from routine use of this kit ain this MSDS and the kit ents listed within this kit are upational Safety and Health (nown OSHA Hazards nformation available. be harmful.
4	First-Aid Measures		Eye Contact : May cause irritation. For all incidents, a medical exam is desirable		
			Inhalation : Move to fresh air area. Ingestion : Rinse mouth, seek medical advice if immediate vomiting Skin Contact : Wash copiously with water and soap. Eye Contact : Flush eyes copiously with water and seek medical advice		
5	Fire-fighting Measures		surrounding fire CAUTION: Use of wa Un-extinguishing me Special hazards of p Protective equipmen	: Use any mean suitable ter spray when fighting fired : No information avaroduct: No information avate For fire fighting: Carry as and appropriate protecti	e may be inefficient. illable railable an autonomous respiratory
6	Accidental release Measures Individual Precaution: Use an individual protection equipment Environmental Precaution: If incident, let flow run copiously Method of cleaning: Clean with an inert absorbent		run copiously		
7		Handling and Storage No specific recommendation is requested. Always store in frozen condition, Observe all conditions described in the user manual and on the labels. As with all chemical and biological substances, avoid getting the storage of		the user manual and on the ubstances, avoid getting the nto your body. Do not eat be handled only by qualified e use of this kit and who are	
8	Expo	sure controls			
8.1	Expo	sure limits	: No information ava	ilable	
9	Personnel Protection		Respiratory protection : No information available Hands protection: Wear water-proof gloves Eyes protection: Use chemical safety goggles Skin protection: Wear lab coat		

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If you have any further questions about this MSDS, please contact our Technical Support by email: $\underline{info@huwellifesciences.in}$



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r Information	HLSS Manufacturing Pvt Ltd assumes no liability for damages resulting from handling or being in contact with this product. Customer is solely responsible for improper usage of this product other than for what this product is designed to use. The kit and its components may present unknown hazards and should be used with caution. Improper use and/or inappropriate combination with other products and substances may produce harmful results.		
r	latory mation	No information available TInformation HLSS Manufacturing Pvt L from handling or being in responsible for improper u product is designed to us unknown hazards and show inappropriate combination	No information available HLSS Manufacturing Pvt Ltd assumes no liability for from handling or being in contact with this product responsible for improper usage of this product other product is designed to use. The kit and its compounknown hazards and should be used with caution. Inappropriate combination with other products as produce harmful results.

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