

Doc Name:	Material Safety Data Sheet (MSDS) for RNA Fast qPCR Mix (4X)		
Doc No.	MSDS/HL/60	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)
2.2	Product Code	: HL - RFCqPM4X
2.3	Pack size (No. of rxns)	: 625 µl
2.4	Intended use:	RNA Fast qPCR Mix is a premixed 4X concentrated reagent ready to use for real-time Polymerase chain reactions (PCR). The QuickStart enzyme included in the premix (4X) reduces the reaction time, thereby speeding up the entire process. The RNA Fast qPCR mix is designed for TaqManbased assays starting with RNA templates. RNA templates 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 premixed 4X concentrated reagents are ready-to-use for real-time Polymerase chain reactions (PCR). Template of choice along with primer probe mix is to be added such that the final concentration of the PCR mix is 1X in the final assay. 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.
2.5	Composition/ Information on reagents:	The product contains RNA Fast qPCR Mix (4X) 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/instruction manual.
3	Hazards identification	Significant health effects are not anticipated from routine use of this kit when following the precautions listed within this MSDS and the kit specific package insert. None of the components listed within this kit are

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Caution



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			considered hazardous as defined by Administration (OSHA).	the Occupational Safety and Health	
			OSHA Hazards	: No Known OSHA Hazards	
			Inhalation	: No information available.	
			Ingestion	: May be harmful.	
			Skin Contact	: No information available.	
			Eye Contact	: May cause irritation.	
4	First-Aid Measures		For all incidents, a medical exam is desirable		
			Inhalation : Move to fresh air area.		
			Ingestion : Rinse mouth, seek n	nedical advice if immediate vomiting	
			Skin Contact : Wash copiously with	water and soap.	
				with water and seek medical advice	
			, , , , , , , , , , , , , , , , , , , ,		
5	Fire-fighting Measures		Extinguishing media: Use any mean s surrounding fire	uitable to extinguish the	
			CAUTION: Use of water spray when fig	hting fire may be inefficient.	
			Un-extinguishing media : No informa	tion available	
			Special hazards of product: No inform		
			Protective equipment For fire fighting:	Carry an autonomous respiratory	
	protection apparatus and appropriate protection clothes		protection clothes		
Accidental release Measures Individual Precaution: Use an individual Environmental Precaution: If incident,		let flow run copiously			
_	ļ		Method of cleaning: Clean with an ine		
7	stora	ling and ge	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 components within this kit spilled on you or into your body. Do not eat or drink while using this kit. This kit should be handled only by qualified clinical or laboratory employees trained on the use of this kit and who are familiar with the potential hazards. Universal precautions to be followed when handling and working with this kit.		
8	Expos	sure controls			
8.1	Expos	ure limits	: No information available		
9	Personnel Respiratory protection: No information available		on available		
	Prote	ection	Hands protection: Wear water-proof g	loves	
			Eyes protection : Use chemical safety	goggles	
			Skin protection: Wear lab coat		
			Hygiene measures: Follow good labor Instructions	atory hygiene practices and security	
10	Physi	ical and			
	Chem				

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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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	properties		
10.1	Physical state	: Liquid Chemical, physical, and toxicological properties have not been thoroughly investigated	
11	Stability and reactivity	Stability: Stable under conditions described in the Product insert Materials to avoid: No information available Hazardous decomposition Products: No information available	
12	Toxicological information	Potential effects on health Eyes Skin Inhalation Ingestion Special Effects Carcinogen Mutagen Toxicity for reproduction Sensitization	 : No information available
13	Ecological information	Mobility Persistence/degradation Bioaccumulation Aquatic Toxicity Disposal Considerations & restate and local regulations	: No information available : Intrinsically biodegradable : No information available : No information available equirements: Dispose in accordance with
14	Transportation information	The product is not dangerous. Follow IATA regulations	
15	Regulatory information	No information available	
16	Other 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.	
		-End-	