

Doc Name:	Material Safety Data Sheet (MSDS) for Quantiplus BCR ABL RT PCR Kit (Major minor and micro quantitative kit)		
Doc No.	MSDS/HL/014	Ver No:00	Effective from: 01/11/23

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	:Quantiplus BCR ABL RT PCR Kit (Major minor and micro quantitative kit)
2.2	Product Code	: QT-BCRM2mi-25 , QT-BCRM2mi-50
2.3	Pack size (No. of rxns)	: 25 Tests, 50 Test
2.4	Intended use:	BCR-ABL is an activated protein kinase resulting from the reciprocal translocation of the long arms of chromosomes 9 and 22 t (9;22), which is commonly referred to as the Philadelphia chromosome (Ph+). The Ph chromosome is present in more than 95% of cases of Chronic Myeloid Leukemia (CML). It is also found in 5% of Acute Lymphoblastic Leukemia (ALL) in children and 10 - 25 % of ALL cases in adults. Depending on the precise location of the BCR-ABL fusion the molecular weight of the protein can range from 185 to 230 kDa. Three clinically important variants are the p190(minor), p210(major) and p230(micro) isoforms. p190 is generally associated with acute lymphoblastic leukemia (ALL), while p210 is generally associated with chronic myeloid leukemia but can also be associated with ALL. p230 is usually associated with chronic neutrophilic leukemia.
2.5	Composition/ Information on reagents:	The product contains general buffer, dNTP's, ready mix containing amplification mix with primer and probes and MgCl ₂ with non-hazardous properties. Note : <i>This product is 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.</i>
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 considered hazardous as defined by the Occupational Safety and Health Administration (OSHA). OSHA Hazards : No Known OSHA Hazards

Caution

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		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	: No information available.
		Ingestion	: May Induce immediate vomiting, seek medical advice
		Skin Contact	: Wash copiously with water and soap.
		Eye Contact	: Flush eyes copiously with water and seek medical advice
5	Fire-fighting Measures	Extinguishing media: Use any mean suitable to extinguish the surrounding fire	
		Un-extinguishing media : No information available	
		Special hazards of product: No information available	
		Protective equipment For fire fighting: Carry an autonomous respiratory protection apparatus and appropriate protection clothes	
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	
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 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	Exposure controls		
8.1	Exposure limits	: No information available	
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	
		Hygiene measures: Follow good laboratory hygiene practices and security Instructions	
10	Physical and Chemical properties		
10.1	Physical state	: Liquid	
		Chemical, physical, and toxicological properties have not been thoroughly investigated	

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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	<u>Potential effects on health</u> Eyes : No information available Skin : No information available Inhalation : No information available Ingestion : No information available <u>Special Effects</u> Carcinogen : No information available Mutagen : No information available Toxicity for reproduction : No information available Sensitization : No information available	
13	Ecological information	Mobility : No information available Persistence/degradation : Intrinsically biodegradable Bioaccumulation : No information available Aquatic Toxicity : No information available Disposal Considerations & requirements : Dispose in accordance with state and local regulations	
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-			

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