

TECHNICAL DATA SHEET

INTRAVENOUS SYRINGES

November 2019

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Product Name	Luer Lock IV Syring						
	Luer Slip IV Syringe (IVS)						
Product Range		, IVL10, IVL20, IVL30, IVL60, IVL60 (INS).					
	IVS01, IVS03, IVS05, IVS10, IVS20, IVS30, IVS60, IVS01 (INS), IVS10E.						
	Medicina Ltd						
Manufacturer	Units 1-4 Rivington View Business Park						
	Station Road, Black	rod					
	Bolton BL6 5BN						
	Luer Lock IV Syringe (IVL) - Single Use Sterile Luer lock IV syringes for use with IV extension sets,						
	standard or safety needles, and IV cannula. They are also designed to be used on the most						
Intended Use	common types of syringe drivers.						
intended Use	Luer Slip IV Syringe	e (IVS) - Single Use Sterile Luer Slip IV syringes can be used together with					
	hypodermic needles, and are intended to be used intravenously, to deliver drugs or take blood						
	from the patient.						
	Barrel & Plunger	Polypropylene (PP)					
Product Material	Piston	Poly-Isoprene (Latex Free)					
Composition	Lubricant	High Grade Silicone Oil					
Classification	Class IIa						
Conformity							
Assessment Route	MDD 93/42/EEC, Annex V, Rule 2						
Notified Body	SGS 0120						
Certificate Ref	GB12/84913						
Shelf Life	5 Years						
Lot Number		nere Y is Year, M is Month, D is Date) (X is product size)					
format	-						
Storage	To be stored at a minimum of 5°C and a maximum of 35°C with a maximum relative humidity of 80%.						
	Comonal	All components (product, pouches, and boxes) should be free of damage,					
	General	no tears or holes.					
	Product Blister	Shall contain individually packed syringe.					
	Inner Box	White inner box containing secondary packaging					
	Shipping	Drown Chinging Conton Chould be find of our projection demonstra					
	Carton	Brown Shipping Carton Should be free of any major damage.					
	Syringe	Syringe free from defects; fins, burrs, plastic flow and material shortage.					
Appearance		Syringe barrel shall be transparent to see fiducial line clearly. Syringe Barrel					
		with accurate readable graduations and no smearing					
		All print should be legible and clearly seen.					
		Plunger will be attached to black piston and shall be intact.					
		Shall be free from blooming and foreign matters. The surface shall be free					
	Diston	from cracks, cutting, damage and uneven surfaces.					
	Piston	Outer diameter of the piston shall be equal or shorter than the outer					
		diameter of the piston sealing ring.					
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Labelling and	Label Information	Shall match the copies in artwork master file.							
Symbols	Symbols	Shall match the copies in artwork master file.							
Product Packaging Material Composition	Blister Packaging	Paper Laver: 100% Whole virgin wood pulp							
	Seal Dimension	Seal line will be fully sealed. Heat sealed blister with seal width no less than $4mm \pm 1 mm$ width on all sides.							
Blister Packaging	Seal strength	Tested as per BS EN 868-5 tested on a 15 mm sample should be > 1.5 N							
Performance	Leak test performed on Blister	Detecting seal leaks in porous packages by dye penetration according to YY/T 0681.4-2010.							
	Method	Ethylene Oxide (ETO) sterilised							
	Re-sterilisation	Device should not be re-sterilised							
Storility	ETO Residuals	ETO residuals Shall be ≤ 10ug/ml							
Sterility	Pyrogen	Product free	Product free from pyrogen						
	Sterilisation Indication	Sterilisation Indicator label affixed to the outer carton will be red before sterilisation and blue after sterilisation. Each outer carton shall be labelled with the respective cycle Reference number.							
Chemical Performance	pH Value	 pH Value difference between extract and blank solution shall not exercise 1.0 pH Extract solution: Purified water + Sample. Blank Solution: Purified water. Note, the quantity of extract solution is based on the nominal capace the syringe 							
	Readily Oxidizable	The syringe extract solution and equal volume of blank solution to indirect titrations as per Standard GB/T14233.1, the amount of KMnO4 consumption							
	substance	shall not exc							
	Conical Fitting	No Evident r	ocking or movement. Sh	all comply with ISO 594.					
	Leakage	There shall be no air leakage when syringe is under negative pressure 88Kpa for 60s + 5s at the contacting position between barrel and piston. The piston will not detach from plunger.							
		Nominal capacity of	Tolerance on graduated capacity		Maximum				
		syringe, V (ml)	capacity	Equal to or greater than half nominal capacity	Dead Space (ml)				
		V < 2	±(1.5% of V + 2% of expelled volume)	± 5% of expelled Volume	0.07				
Physical Performance		2 ≤ V < 5	±(1.5% of V + 2% of expelled volume)	± 5% of expelled Volume	0.07				
	Capacity Tolerance	5 ≤ V < 10	±(1.5% of V +1% of expelled volume)	± 4% of expelled Volume	0.075				
		10 ≤ V < 20	±(1.5% of V +1% of expelled volume)	± 4% of expelled Volume	0.1				
		20 ≤ V < 30	±(1.5% of V +1% of expelled volume)	± 4% of expelled Volume	0.15				
		30 ≤ V < 50	±(1.5% of V +1% of expelled volume)	± 4% of expelled Volume	0.17				
		50 ≤ V	±(1.5% of V +1% of expelled volume)	± 4% of expelled Volume	0.20				



	Nominal Capacity of syringe, V (ml)	-		Mean Force, F Max (N)	Maximum Force F Max (N)		Minimum Force, F Min (N)		
	V< 2	10		5	(2,0 measured) or (measured+1,5N), whichever is higher		(0,5 measured) or (measured–1,5N), whichever is the lower		
Sliding Performance	2 ≤ V < 50	25		10	(2,0 measured) or (measured +1,5N), whichever is higher		(0,5 measured) or (measured–1,5N), whichever is the lower		
	50 ≤ V	30		15	(2,0 measured) or (measured +1,5N), whichever is higher		(0,5 measured) or (measured–1,5N), whichever is the lower		
	When syringe is filled with water up to its nominal capacity and kept vertically, the plunger shall not be moved by its own weight.								
	Variable		•						
	(when X is replaced by product code)			Max Division value		Max Increment of numbering			
	xxx01			0.1		0.01			
	xxx03			0.5		0.1			
Graduation Lines	xxx05			1		0.2			
	xxx10			1		0.2			
	xxx20			5		1			
	xxx30			10		1			
	xxx60			10		1			
	Latex T	This product is free from Latex							
		his product is	free f	from Phthalates					
Product		This product is free from Animal Derived Substances							
Inclusions	Substances								
		This product is free from Bis Phenol A							
		This product is free from Asbestos This product is free from PCB's							
Product Disposal	Т	The user must follow the legal regulations and national codes of practice regarding disposal of hospital waste.							



