

Tested: 02/11/25:

Created: 02/05/25

Speed 3 - 12.5 mm/s

	Insertion 23	Insertion 18	Insertion 10
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	trail	Photo #	L/N	trail	Photo #	L/N	trail	Photo #	L/N
Retraction 5	67	131	Cup 7. Cavity on the tip.	69	133	Upside down tear shape on the needle Next date.	07	69	No puncture
Retraction 7	65	129	Cup 8. Nice cavity at the thip.	68	132	Cavity at the tip. Kind of one sided Next date.	x	x	x
Retraction 9	23	86	Cup 3. Nice cavity at the thip.	x	x	x	x	X	x
Retraction 12	15	77	Cup 2. A very elongated cavity at the tip.	x	x	x	X	X	x

Speed 1 (Cup 2) - 0.5 mm/s

	Insertion 23			Insertion 18			Insertion 10		
	trail	Photo #	L/N	trail	Photo #	L/N	trail	Photo #	L/N
Retraction 5	13	75	Nice cavity on the tip.	09	71	Nice cavity at the tip	14	76	No puncture
Retraction 7	12	74	Small bubble. Nice cavity at the tip. Kind of tear-shaped	08	70	Nice cavity at the tip	x	x	x
Retraction 9	11	73	Nice cavity at the tip	x	x	x	x	X	x
Retraction 12	10	72	Nice cavity at the tip. Kind of tear-shaped	x	x	x	X	X	x

Speed 2 (Cup 3) - 2.5 mm/s

	Insertion 23			Insertion 18			Insertion 10		
	trail	Photo #	L/N	trail	Photo #	L/N	trail	Photo #	L/N
Retraction 5	19	81	Nice cavity at the thip.	21	83 Noise so the new video 84	Nice cavity on the thip.	22	85	No puncture
Retraction 7	18	80	Nice cavity at the thip.	20	82	Nice cavity at the thip.	x	x	x
Retraction 9	17	79	Nice cavity at the thip.	x	x	x	x	X	x
Retraction 12	16	78	No leak. Not a nice cavity either	x	x	x	X	X	x

Speed 3 (Cup 4) - 12.5 mm/s

	Insertion 23			Insertion 18			Insertion 10		
	trail	Photo #	L/N	trail	Photo #	L/N	trail	Photo #	L/N
Retraction 5	27	90	Cavity on tip	29	92	Cavity on the tip	30	93	Didn't puncture
Retraction 7	26	89	No insertion video. Nice cavity at tip.	28	91	Cavity on tip, a little bit on tip?	x	x	x
Retraction 9	25	88	Nice cavity at tip	x	x	x	x	X	x
Retraction 12	24	87	Elongated cavity at tip/semi tear shaped.	x	x	x	X	X	x

Speed 2 (Cup 5) - 2.5 mm/s

	Insertion 23			Insertion 18			Insertion 10		
	trail	Photo #	L/N	trail	Photo #	L/N	trail	Photo #	L/N
Retraction 5	34	97	Nice cavity at the tip	36	99	Nice cavity at the tip. Then suddenly leaked	37	100	No puncture
Retraction 7	33	96	Kind of one sided cavity at the tip.	35	98	Nice cavity at the tip	x	x	x
Retraction 9	32	95	Cavity at the tip	x	x	x	x	X	x
Retraction 12	31	94	Tear drop cavity at the tip.	x	x	x	X	X	x

Speed 1 (Cup 6) - 0.5 mm/s

	Insertion 23			Insertion 18			Insertion 10		
	trail	Photo #	L/N	trail	Photo #	L/N	trail	Photo #	L/N
Retraction 5	41	104	Bubble at the tip of the plunger	43	106	Nice cavity at the tip	44	107	
Retraction 7	40	103	Elongated cavity at the tip	42	105	Nice cavity	x	x	x
Retraction 9	39	102	Tear drop cavity at the tip	x	x	x	x	X	x
Retraction 12	38	101	Elongated cavity at the tip.	x	x	x	X	X	x

Speed 3 (Cup 7) - 12.5 mm/s

	Insertion 23			Insertion 18			Insertion 10		
	trail	Photo #	L/N	trail	Photo #	L/N	trail	Photo #	L/N
Retraction 5	49	112	Nice cavity at the tip	50	113	Nice cavity on the tip	51	114	No puncture
Retraction 7	47	110	Nice cavity at the tip	48	111	Nice cavity at the tip	x	x	x
Retraction 9	46	109	Nice cavity at the tip	x	x	x	x	X	x
Retraction 12	45	108	Elongated cavity at the tip	x	x	x	X	X	x

Speed 1 (Cup 8) - 0.5 mm/s

	Insertion 23			Insertion 18			Insertion 10		
	trail	Photo #	L/N	trail	Photo #	L/N	trail	Photo #	L/N
Retraction 5	57	120	Nice cavity at the tip.	58	121	Cavity on the needle	55	118	No puncture
Retraction 7	56	119	Tear drop-ish cavity at the tip	54	117	Formed two cavities one at the tip one kinda crawling up a bit	x	x	x
Retraction 9	53	116	Elongated cavity	x	x	x	x	X	x
Retraction 12	52	115	Elongated cavity	x	x	x	X	X	x

Speed 2 (Cup 9) - 2.5 mm/s

	Insertion 23			Insertion 18			Insertion 10		
	trail	Photo #	L/N	trail	Photo #	L/N	trail	Photo #	L/N
Retraction 5	62	126	Upside tear shape on needle	64	128	Upside tear shape on needle	66	130	No puncture
Retraction 7	61	124, 125	cavity	63	127	Nice cavity at the tip	x	x	x
Retraction 9	60	123	Cavity	x	x	x	x	X	x
Retraction 12	59	122	Elongated	x	x	x	X	X	x