

Syringe	Start	End	Comments
AB1	4:00	4:04	No streaks, uniform
AB2	4:04	4:07	Uniform, some dark vertical lines - possibly the syringe
AB3	4:07	4:09	light bottom, otherwise ok
AB4	4:09	4:11	very uniform, with one dark line in the middle
AB5	4:11	4:13	Very uniform, no streaks - but little short white lines on top
AB6	4:13	4:15	white strip on the bottom
AB7	4:15	4:18	2 white stripes otherwise uniform
AB8	4:18	4:20	Some vertical streaking
Coupon for AB ←		much lighter when it is	when piston isn't pushed / vs
AC 1	4:21	4:23	Two white bands - bottom & middle + vertical lines (darker and on one side of syringe)
AC2	4:23	4:25	Thin light streaking - maybe due to end of cartridge - also some vertical lines
AC3	4:25	4:28	light horizontal lines throughout
AC4	4:28	4:30	Very light streaks throughout and some banding
AC5	4:30	4:32	Not many streaks but lot of bands (3-4) light and dark
AC6	4:32	4:34	5-7 light colored bands (end of cart.) - lots of stripes
AC7	4:34	4:36	Very fast flowing, horizontal band with zigzag vertical streaks
AC8	4:36	4:39	Very light and streaky, lots of thin white lines.
Coupon for AC ←		Very marbled and liquidy	

END OF CARTRIDGE

Monday - September 16th, 2019

Pg 2

Cartridge #5

Delivered June 18th, 2019

(Removed from fridge 2:20 pm)

-53°C

Rack 10

Syringe	Start	End	Comments
AD1	2:57	2:59	Very uniform, vertical lines ⇒ syringe
AD2	2:59	3:02	Very uniform, super fine horizontal lines
AD3	3:02	3:03	Some straitions, white/ light band in the bottom (too fast!)
AD4	3:04	3:06	light bottom, less banding than before
AD5	3:05	3:08	Lots of straitions, zigzag banding
AD6	3:09	3:10	Very uniform
AD7	3:10	3:13	Some horizontal lighter lines
AD8	3:13	3:15	light bottom with some stripes
AE1	3:15	3:18	Uniform, thin light lines horizontal
AD Coupon Cup			←
AE2	3:21	3:24	Uniform, but thin white/ light lines in the middle
AE3	3:24	3:28	3 bands, light/dark/light (change in speed - much slower)
AE4	3:28	3:31	Uniform with vertical lines (syringe?)

Syringe	Start	End	Comments
AE5	3:32	3:34	banding, light bottom
AE6	3:34	3:38	Very minor horiz. streaks, some vertical lines → very good
AE7	3:38	3:40	Same as above - very uniform
AE8	3:40	3:43	uniform with light bottom
AE Coupon			
AF1	3:44	3:47	light bottom, single dark line (marked)
AF2	3:47	3:50	light stripes one side more than other light bottom
AF3	3:50	3:53	Some white lines horizontal, zigzag lines
AF4	3:53	3:57	3 bands, light/dark light
AF5	3:57	4:00	lots of white lines (thin) and white "areas" (2 of em)
AF6	4:00	4:03	3 bands and light bottom with single dark spot
AF7	4:03	4:06	back to being super uniform (nothing done differently :))

★ The non-uniformities could be cuz the tube itself is non-parallel to the stand, makes it harder to hold syringe straight

-53°C

Syringe	Start	End	Comments
AFB	4:06	4:09	3 bands like before, lighter bottom
AF Coupon ←			Rack 11
AG1	4:11	4:13	Pretty good! (faster worked better)
AG2	4:13	4:15	Zigzag lines with white 'spots', lots of banding
AG3	4:15	4:18	lots of white horizontal lines in the middle ;
AG4	4:18	4:21	Some white lines, not not as bad as previous one
AG5	4:21	4:23	Same as above. [short break - warm Valentina's frozen fingers]
AG6	4:31	4:36	Some horizontal white lines
AG7	4:35	4:38	Very uniform
AG8	4:38	4:42	Uniform again, some white lines
AG Coupon ←			
AH1	4:44	4:46	light / white stripes in the middle (Max red)
AH2	4:46	4:48	Uniform, with 2 dark stripes
AH3	4:48	4:50	white zigzag lines
AH4	4:50	4:51	(very fast) fairly uniform, some thin dark lines
AH5	4:51	4:52	(also fast) some zigzag lines
AH6	4:52	4:53	Uniform, one spot (marked) where tube touched syringe
AH7	4:53	4:54	Some white lines (end of glue) otherwise uniform
AH8	4:54	4:55	Uniform (very surprising for end of cartridge)

-51°C

AI 1	4:58	5:00	Uniform horizontally but zigzag vertical lines (end?) lots of vertical lines, light bottom
AI 2	5:00	5:02	

END OF CARTRIDGE