


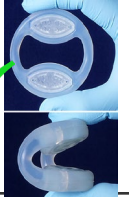




Looking Farther Ahead

MATRIX Stakeholders Consultation
Harare, Zimbabwe
19 October 2022



MATRIX Product Pipeline Overview

	Product	Developer	Product Type	Active ingredient	How used	How long protected?	MPT?	Unique features	Status
1 ✓	 TAF/EVG Fast-dissolving insert	CONRAD (USA)	Fast-dissolving insert	TAF/EVG tenofovir alafenamide & elvitegravir (NRTI and integrase inhibitor)	On-demand (at the time of sex)	Up to 3 days	HIV and HSV	Could be used vaginally or rectally - as PrEP or PEP	US/North American studies conducted – first Phase 1 study in African women planned for 2023
2	 Griffithsin Fast-dissolving vaginal insert	Population Council (USA)	Fast-dissolving insert	A protein -Griffithsin Viral entry inhibitor	On-demand (at the time of sex)	4 hours	HIV and HPV HSV	Active ingredient derived from seaweed	Pre-clinical
3 ✓	 One month dapivirine vaginal film	Univ of Pittsburgh (USA)	Vaginal film	Dapivirine NNRTI	Women insert themselves	1 month		Releases drug until film completely dissolves	Placebo study being planned for 2023
4 ✓	 Non-ARV/ nonhormonal contraceptive multipurpose vaginal ring	Oak Crest Inst of Science (USA)	Vaginal ring	2 Peptides (protein fragments) – one acts against HIV (& HSV/HPV), the other inhibits movement of sperm & ability to penetrate & fertilize egg	Women insert themselves	1-3 months	HIV and HPV HSV pregnancy	Non-ARV and nonhormonal Could be used with or without contraceptive	Placebo trial being planned for 2023
5	 Cabotegravir injectable depot	CONRAD (USA)	Injectable depot (storage bubble)	Cabotegravir Integrase strand inhibitor	Injection given under the skin	4-6 months		May be less burden on healthcare system and users	Pre-clinical
6	 Cabotegravir dissolvable pellets	CONRAD (USA)	Pellet implant	Cabotegravir Integrase strand inhibitor	Implanted under skin	9-12 months		Slowly dissolves over course of a year (biodegrades) Can be removed after 1-2 mo if needed	Pre-clinical

7	 One month dapivirine vaginal film plus levonorgestrel (LNG)	8	 Cabotegravir injectable depot plus LNG	9	 Cabotegravir dissolvable pellets plus LNG
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Three products also to be developed as an MPT with the addition of a hormonal contraceptive