

# Extended-Release Tri-layer Multipurpose Technology (MPT) Films for Vaginal Delivery of Anti-HIV and Contraceptive Drug Combination

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Poster # 1139

Women's Health for Everyone's Health-Technical Session IV  
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**Annual Meeting  
AND Exposition**  
JULY 8-12, 2024 • BOLOGNA, ITALY

INTEGRATING  
**Delivery Science**  
ACROSS DISCIPLINES



# HIV, Unintended Pregnancy, and MPTs

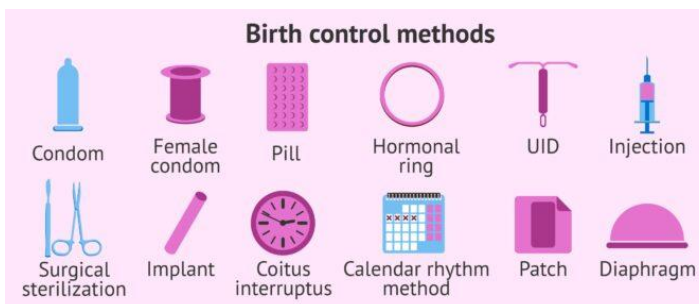
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People with HIV: 39 M  
New HIV: 1.3 M  
Women account: 63%



Unintended pregnancies: 121 M  
Women wanting to avoid pregnancy: 257 M  
AGYW in SSA: 1-in-5



Low adherence  
Not fully female controlled

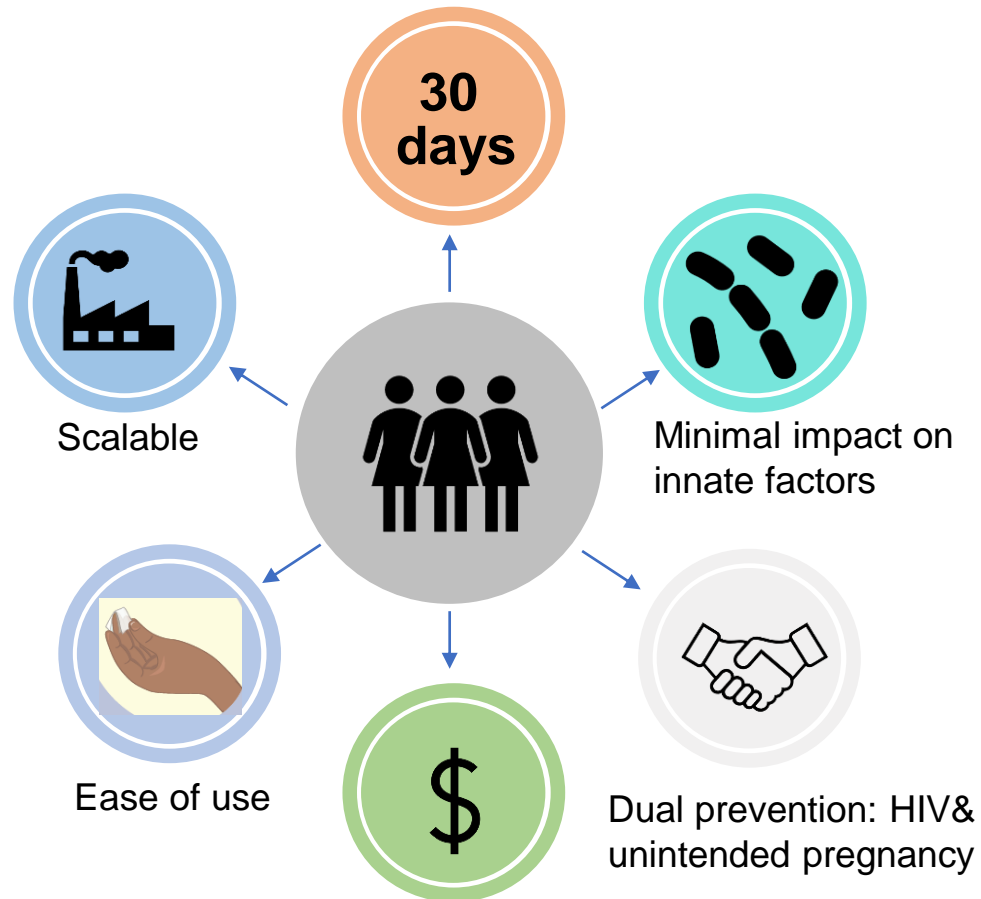
## Solution: Multipurpose Technologies

- Low cost
- Female-controlled
- Discreet
- Easy to use
- Scalable and deliverable

- [https://thepath.unaids.org/wp-content/themes/unaids2023/assets/files/thematic fs hiv girls women.pdf](https://thepath.unaids.org/wp-content/themes/unaids2023/assets/files/thematic_fs_hiv_girls_women.pdf)
- <https://www.unfpa.org/press/nearly-half-all-pregnancies-are-unintended-global-crisis-says-new-unfpa-report>

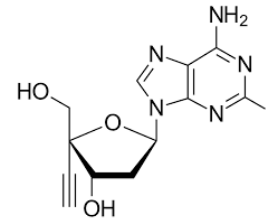
# Our Solution – Vaginal Film Technology

## Monthly administration



## Islatravir (EFdA)

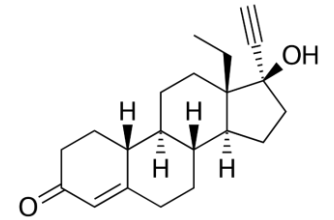
Non-nucleoside reverse transcriptase translocation inhibitor (NNRTI)



- High potency
- Long  $t_{1/2}$
- Being investigated for treatment and prevention

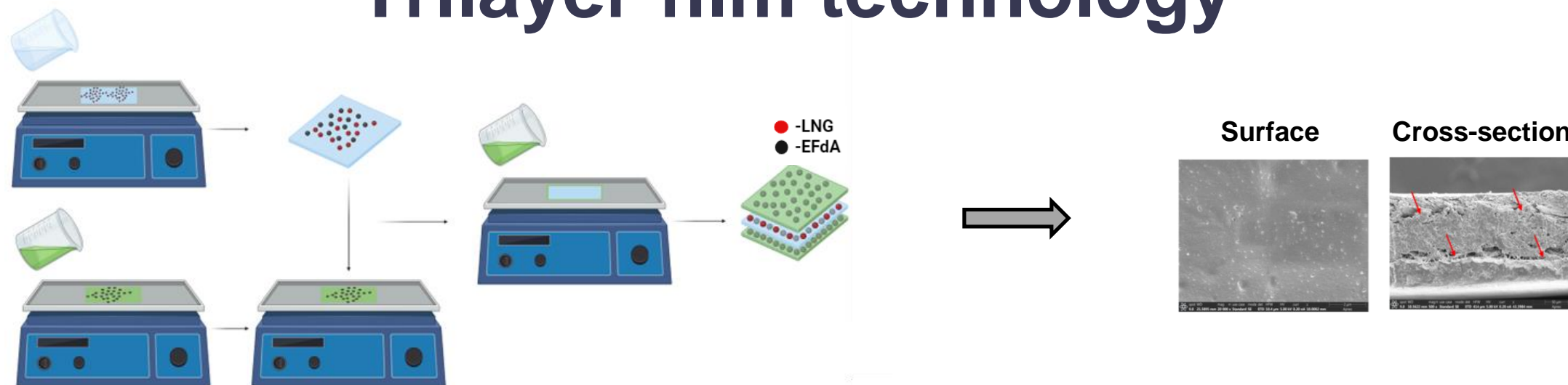
## Levonorgestrel

Progestin contraceptive





# Trilayer film technology



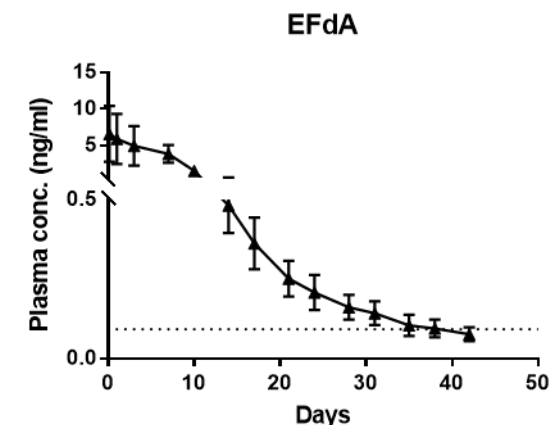
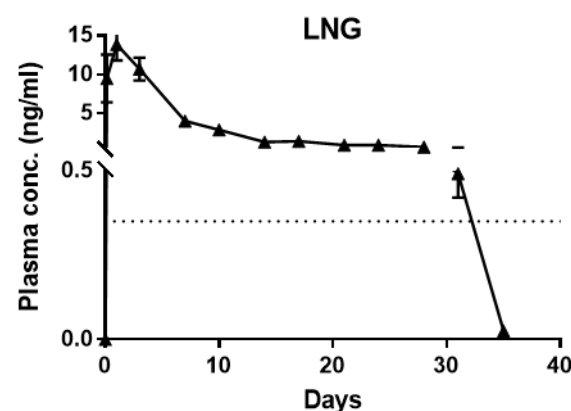
Colpophotography

Before

After



Film



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