



Microbicides: *Take Action* for this New Hope for HIV Prevention

HIV is a serious and growing women's health issue globally. Right now, half of the world's HIV/AIDS-infected people are women. In Sub-Saharan Africa, 58 percent of all adults living with HIV/AIDS are women, and in hard-hit nations such as Zambia, girls are five times more likely than boys to be HIV positive.

Biologically, women are two to four times more vulnerable than men to sexually transmitted HIV infection. Their vulnerability increases due to their lack of economic and social power in many societies, where women often cannot control sexual encounters or insist on protective measures such as abstinence or mutual monogamy. Many women who get infected with HIV have only one partner – their husbands. This trend is lethal to women, devastating to families and puts children at risk.

Women need HIV-prevention tools that they can control to safeguard their health and that of their families and communities. One of the most promising prevention tools is microbicides. Once developed, microbicides and vaccines would serve as complementary prevention technologies, with microbicides putting the power of prevention directly in women's hands.

What is a Microbicide?

Microbicides (mĪ-KRO'-bĭ-sĭdz) are a new class of products under development that a woman could use vaginally to protect herself and her partner from HIV and other sexually transmitted diseases. A microbicide could be produced in many forms: a gel, cream, sponge, or intra-vaginal ring that could be used for months at a time.

Products are in development that work in one of several ways: by killing or otherwise immobilizing pathogens; blocking infection by creating a barrier between the pathogen and its target cells; or preventing the infection from taking hold after it has entered the body.

Why do we need Microbicides?

With 14,000 new HIV infections occurring globally each day, new prevention strategies are desperately needed. While microbicides are not a magic bullet, researchers believe they could prevent millions of infections. And with leading scientists concluding that a vaccine is likely to be at least 10 years away, we need to make a strong commitment to developing microbicides.

Scientists estimate that even a 60 percent effective microbicide could prevent 2.5 million HIV infections in three years among women, men and children in the developing world.

Where are we now?

Scientists are currently testing dozens of compounds to determine whether they will help to protect against HIV and/or other STDs. Of those, 16 are in clinical trials that will assess their safety for human use, and five are in large-scale trials enrolling thousands of women to assess their effectiveness against HIV. If one of these leads proves successful and investment is sufficient, a microbicide could be publicly available by the end of the decade.

Why is public investment needed?

Microbicides are a public health good – a product offering huge social benefits but for which economic incentives to private investment are low. Despite the potential market size, neither pharmaceutical nor major biotech companies have made significant financial investments in the field because development is costly and



the likelihood of finding an effective product is unknown. Like other public health goods, such as vaccines, public funding must fill the gap left by market failure.

As with any pharmaceutical or health care product, the key to developing safe, effective, affordable and accessible microbicides is sufficient investment. If we are to realize the promise of microbicides and the lifesaving properties they may provide, then additional public funding must be made available for research and development.

How can you help?

Since microbicide research depends on government leadership and investment, public support is vital. Through the Global Campaign for Microbicides, people around the world are working in their own communities to demand safe and effective user-controlled HIV prevention tools. There are several things you, and your organization, can do starting today to help make microbicides a reality:

- *Join your local campaign.* Go to <http://www.global-campaign.org/regionalactivities.htm> to find out if there is a microbicides coalition in your city.
- *Sign up for our bi-weekly e-newsletter, GC News.* Sign up to receive our bi-weekly e-newsletter and find additional information: www.global-campaign.org/gcnews.htm
- *Host a talk on microbicides.* Urge community groups, organizations and service providers in your community to host a free program on microbicides. We are happy to work with you on organizing those programs and finding presenters for you. Short presentations and scripts are also available at www.global-campaign.org/download.htm
- *Sign the GC petition and help collect signature.* You can obtain a copy at www.global-campaign.org/download.htm
- *Learn more about microbicides.* Visit the Global Campaign website to read more about economics, science, and advocacy for microbicides and other female controlled HIV prevention options.
- *Host a launch of our new film.* You can order our new film, *In Women's Hands*, for a small fee at www.global-campaign.org/film.htm
- *Talk to your legislators about microbicides.* Write, email, call, or visit your members of Parliament or legislators and ask them to support microbicide research and development. In the U.S., ask your senators and representatives to support the Microbicide Development Act. Learn more at <http://www.global-campaign.org/legislativeadvocacy.htm>
- *Endorse the Global Campaign.* Currently, 200 partner organizations worldwide are working together under the Global Campaign umbrella. There are no fees involved in endorsing or participating in the Campaign. In fact, the Campaign can supply you with training, materials and speakers at no cost to help you educate your community about microbicides.

The Global Campaign for Microbicides is a broad based, international coalition of organizations working to accelerate access to new HIV prevention options. Visit our website: www.global-campaign.org or contact us:

c/o PATH, 1800 K Street NW, Suite 800, Washington, DC 20006 USA

Phone: +1 (202) 822-0033 Fax: +1 (202) 457-1466 Email: info@global-campaign.org

or

Rebekah Webb, 7th Floor, 98 rue du Trone, Brussels 1050, Belgium

Phone: +32 (0)2 507 1221 Fax: +32 (0)2 507 1222 Email: rwebb@global-campaign.org

