



# understand your risks

## Anal One PAP™

*genetic anal cancer test*

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### HPV is the cause of most cases of anal cancer

The same sexually-transmitted disease, HPV, that causes so many abnormal pap smears in women every year is also the cause of a majority of cases of anal cancer. Annual anal pap smears can change the course of this disease, much as regular cervical cancer pap testing has done. Anal cancer is on the rise. Cases have tripled since 1970, and late-stage cases result in a 20% survival rate beyond five years. Although there is only a 1 in 500 chance of developing the disease, it is preventable and often curable if caught early.

### Early detection is crucial - help us change the course

As with cervical and oral cancers caused by HPV, the symptoms are hard to detect. Risk is not limited to those who have participated in anal sex, and isn't necessarily associated with anal sex; rather, it is usually associated with HPV. The majority of sexually active adults have come into contact with HPV at some point in their life. More women also tend to get anal cancer than men. Make sure you're tested annually.

### 30 seconds is all it takes to protect yourself

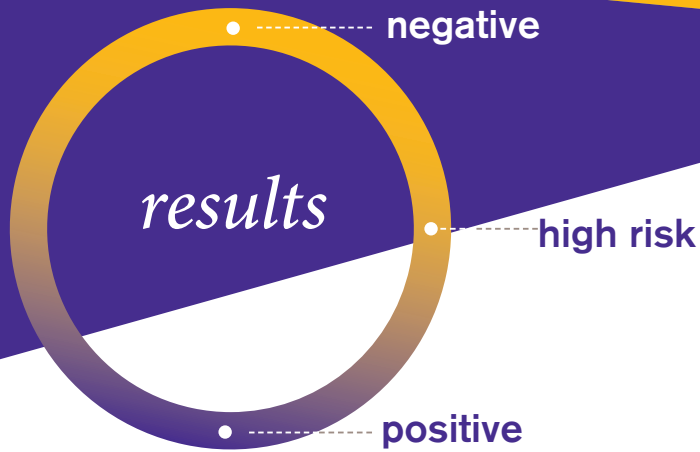
Why is the Molecular Anal PAP better? Typically doctors screen for anal cancer through a test known as the DRE (Digital Rectal Exam). It's invasive, may not catch things higher in the anal cavity and there is room for human error. The Molecular Anal PAP uses a cotton swab that gently lifts cells off your anal cavity. This sample is then sent to the lab for testing.

### what does the Molecular Anal PAP test for?

While HPV is the leading cause of anal cancer, there are other forms. There is a known heredity component and other factors like your age or DNA can play a role. The Molecular Anal PAP not only shows whether you have anal cancer, but also if you're in a higher risk category to contract it. It's an innovative genetic test that screens for anal cancer and its risk factors in three ways.

- 1. Cell abnormalities.** Changes to your cells could mean a precancerous condition or infection exists.
- 2. HPV (Human Papilloma Virus) and anal warts.** While HPV is the leading culprit behind both anal warts and anal cancer, your HPV infection may clear up on its own and never become a problem. We will monitor you more closely if it tends to linger.
- 3. DNA damage.** People with certain DNA damage seem to be at a higher risk for anal cancer. These abnormalities don't mean you have anal cancer or that you are destined to get it, but we recommend more frequent monitoring just to be safe.

# everyone should be screened



## what your test results mean

### for negative results

PCG Molecular will send you a letter in the mail within 4-6 weeks if your results are negative. You should have your next anal cancer pap at your next annual exam or physical.

### for “watch” or high risk results

Being placed on a watch is no reason for concern. It does not mean that you have anal cancer. All it means is that we would like to watch your case more closely. It may be that you are more genetically predisposed to anal cancer than others or that you had an HPV virus at the time of the test that has cleared up on its own. We will send you a letter communicating the results and what next steps to follow.

### for positive results

We will call you if you test positive for precancerous cells and send you a follow-up letter with your test results. You will likely require additional tests and we will advise you of next steps. Remember, catching anal cancer in this precancerous state is key. You did the right thing by getting screened. You caught it early.

## we aspire to change a national figure

While all sexually active adults are at risk, anal cancer isn't generally associated with the act of anal sex. This disease is usually associated with HPV, which most adults have come into contact with in their life. However, The American Cancer Society feels that the following people are more at risk: men who have had sex with other men; women who had had vulva or cervical cancer (including pre-cancer), and those who have had anal warts. Smokers, those with HIV or weakened immune systems or multiple sexual partners also may be at a greater risk. Annual testing for all adults, men and women, aged 18 and older, is very important. Don't delay.

PCG Molecular is a preventive care diagnostic company re-engineering the way we approach health care. The pioneering company is dedicated to the development of molecular genetic screens that detect early signs of DNA and cellular damage.