



Neo Science
& Group

Colo-Alert™

Only available DNA based rapid test for early colorectal cancer detection.

The earlier colon cancer is found, the easier it is to treat. This is why regular screening is worthwhile—it has the potential to save lives. Even if you are not experiencing any symptoms, it's important to talk to your doctor and get screened regularly.

References

Cleveland Clinic. [Diseases and Conditions. Colorectal Cancer—Overview. 29 October 2013](#)



Only available DNA based rapid test for early colorectal cancer detection.

CE. IVD approved

CPT code 81528

n non-invasive colon cancer early detection stool test

- n adding KRAS, BRAF and total DNA markers to established blood test
- n closing sensitivity gap between non-invasive methods & colonoscopy
- n independent study finds 85 % sensitivity and 90 % specificity
- n focus on high patient compliance

Recommended by all major US Associations -Guidelines on colorectal screening include since 2017, DNA testing and have been issued by the following organizations:

- American Cancer Society (ACS), US Multi-Society Task Force on Colorectal Cancer, and American College of Radiology
- U.S. Preventive Services Task Force (USPSTF)
- American College of Physicians (ACP)
- American College of Gastroenterology (ACG)
- National Comprehensive Cancer Network (NCCN)

To be used every three years as of age 40 (U.A.E.), or in case of a family history of any cancer, starting ten years before first diagnosed in a family member.

What is colon cancer?

- Also referred to as colorectal cancer
- Occurs in the colon (or large intestine) or in the rectum
- Often develops slowly
- Second-leading cause of cancer mortalities in men and women combined in the United Arab Emirates

Before cancer develops, an abnormal growth called a polyp may develop on the inner lining of the large intestine or rectum. While polyps are common and typically don't cause symptoms, some are dangerous and can turn into cancer over time.

Can you prevent colon cancer?

“Colon cancer is one of the most common cancers among men and women, but it doesn’t have to be. That’s the clincher. It’s highly preventable.

*By knowing about this disease and its symptoms, talking with your family about your family history, and talking with your physician about the right time for you to be screened, **it’s possible to take charge of your health and prevent this disease.***

Colon cancer is one of the most preventable, yet least prevented, cancers in the UAE today. It is the third most diagnosed cancer, and second leading cause of cancer deaths in both men and women 40 years of age and older. Despite these facts, colon cancer is one of the most treatable cancers if it is found early through screening.

Yet, 1 in 3 adults 40 years of age or older is still not getting screened as recommended. Even if you don’t have any symptoms, regular screening is worthwhile, because it can:

- Find polyps
- Find colon cancer early, when it is highly treatable
- Alert you to changes in your colon.
-

REGULAR SCREENING SAVES LIVES¹

If found early, colon cancer is highly treatable²:

- Stage I = 94%* survival rate
- Stage II = 82%* survival rate
- Stage III = 67%* survival rate
- Stage IV = 11%* survival rate

*Based on a 5-year survival rate.

References

1. Yang, D. X., Gross, C. P., Soulos, P. R. and Yu, J. B. (2014), Estimating the magnitude of colorectal cancers prevented during the era of screening. Cancer. doi: 10.1002/cncr.28794
2. Lansdorp-Vogelaar I, van Ballegooijen M, Zauber AG, Habbema J, Kuipers EJ. Effect of rising chemotherapy costs on the cost savings of colorectal cancer screening. J Natl Cancer Inst. 2009;101:1412-22.

How does Colo-Alert work?

Every day the lining of your colon naturally sheds cells. If you have cancer or pre-cancer in your colon, abnormal cells shed into the colon – along with normal cells – where they are picked up by stool as it passes through. Colo-Alert uses advanced stool DNA technology to find elevated levels of altered DNA and/or hemoglobin in these abnormal cells, which could be

associated with cancer or pre-cancer.

Figure 1. The adenoma-carcinoma sequence. Stepwise mutations of *APC*, *KRAS*, *DCC*, and *TP53* genes. Tumor cells and normal colonocytes are shed and incorporated into stool.

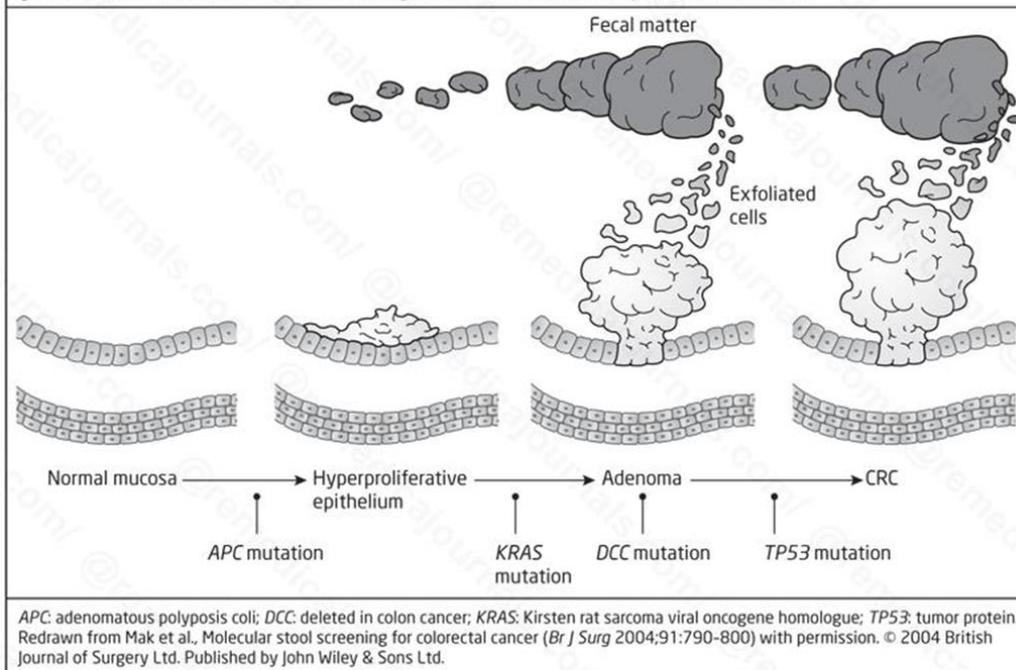


Image courtesy of Remedica Journals
<http://www.remedicajournals.com/CML-Colorectal-Cancer/BrowseIssues/Volume-4-Issue-4/Article-A-New-Generation-of-Molecular-Stool-Testing>

How is a sample collected?

The Colo-Alert Collection Kit is easy to use, and will be given to you by your Doctor. You collect a single stool sample using this kit, then bring it to your Doctor where it will be collected and sent to the laboratory in Germany for analysis. We provide the result back to your doctor, who will contact you to discuss next steps.

Patients should not provide a sample if they have diarrhea or blood in their urine or stool (for example, bleeding hemorrhoids, bleeding cuts or wounds on their hands, rectal bleeding, or menstruation).

It is not a replacement for diagnostic or surveillance colonoscopy in high-risk individuals. It may not be right for you if:

How effective is Colo-Alert?

In a 10,000-patient clinical study, Colo-Alert found 92% of colon cancers.¹ It also found 69% of high-risk pre-cancers (high-grade dysplasia), those most likely to develop into cancer.

Both false positives and false negatives do occur. In a clinical study of Colo-Alert, 13% of people without cancer or pre-cancer tested positive. Any positive should be followed by a diagnostic colonoscopy. Following a negative result, patients should continue participating in a screening program at an interval of three years.

References

1. Imperiale TF, Ransohoff DF, Itzkowitz SH, et al. Multitarget stool DNA testing for colorectal-cancer screening. N Engl J Med. 2014;370(14):1987-97.

What is included in the collection kit?

stool sample collector with stabilisator solution for genetic analysis

FIT occult blood test collector

advisor for CRC prevention

pictorial manual on how to use- available in Arabic language also

stool catcher





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