

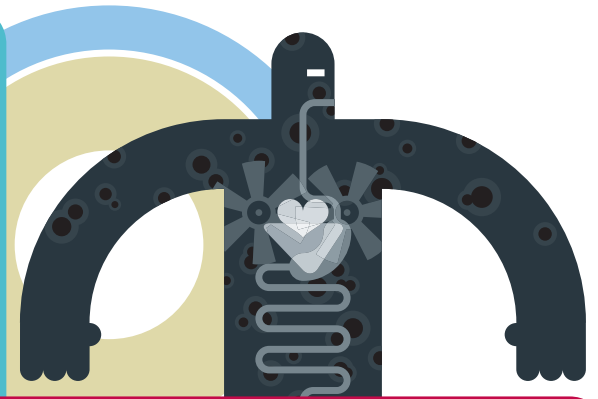
## StageCheck

**StageCheck is a new Service to improve definition of Colorectal Cancer stage by sensitive detection of cancer cells in lymph nodes.**

StageCheck uses the Previstage™ GCC Colorectal Cancer Staging Test, developed and performed exclusively by DiagnoCure Oncology Laboratories. In the test, qRT-PCR is used to detect Guanylyl Cyclase C (GCC) mRNA, which is expressed only in cells lining the lumen of the intestine. Expression of GCC mRNA in histologically negative lymph nodes is independently associated with time to recurrence and disease-free survival in patients with Stage I or II (pN0) colorectal cancer<sup>1</sup>.

### Histological examination of lymph nodes:

- Maximum sensitivity: 1 cancer cell in 200 normal cells
- Volume of lymph node typically examined: < 1%
- Up to 30% of patients diagnosed with Stage I or II (pN0) cancer return with recurrent disease



**PREVISTAGE™**  
Colorectal Cancer Staging Test **GCC**

### Previstage™ GCC Colorectal Cancer Staging Test:

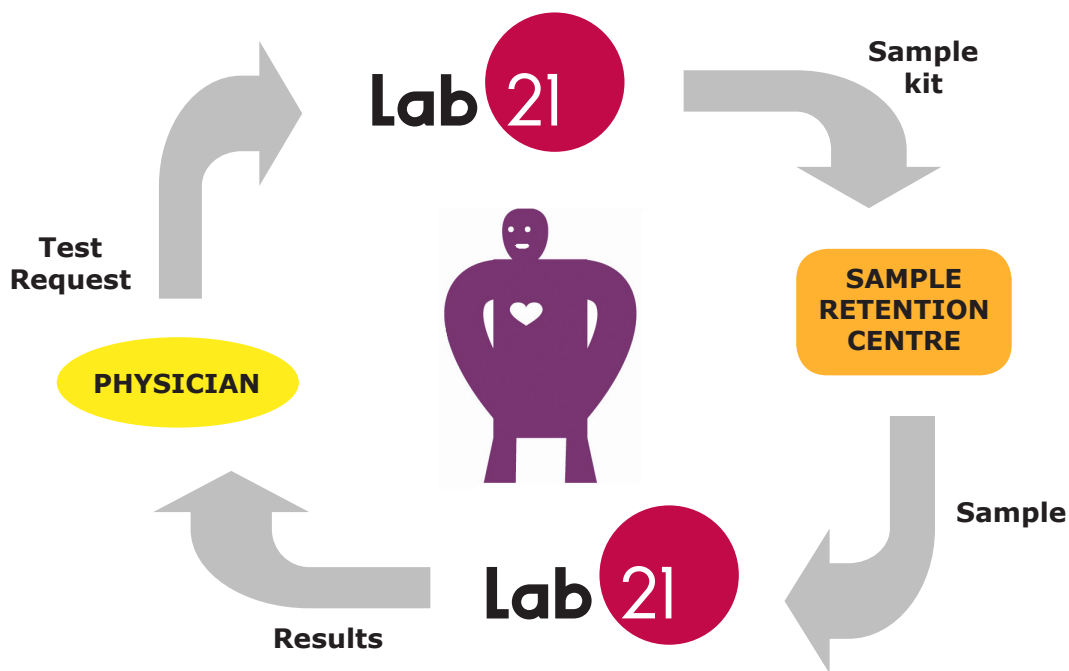
- qRT-PCR maximum sensitivity: 1 cancer cell in 10 million normal cells
- Volume of lymph node typically examined: 50%
- Analytical sensitivity 92%, specificity 98%<sup>2</sup>
- Enables improved staging of colorectal cancer

Some lymph node metastases are missed by histopathology because:

- Often only one 5 µm section of each lymph node is observed
- Limited sensitivity of detection
- Cancer cells are not uniformly distributed in lymph nodes

**StageCheck is an excellent tool for more accurate staging of colorectal cancer patients.**

## StageCheck by Lab21



**StageCheck is a Comprehensive Service with a turnaround time of less than 21 working days.**

**Our dedicated Lab21 Customer Service and Laboratory Teams handle:**

- **Test Requests and Customer Support**
- **Liaison with Sample Retention Sites**
- **Organisation of Sample logistics for testing at DiagnoCure Oncology Laboratories**
- **Reporting of the Results**

**To order, please contact Lab21 Customer Service Team by Phone (UK: 0845 6778108, International: +44 1223 395450) or by Email (stagecheck@lab21.com).**

Previstage™ GCC was developed and is performed exclusively by DiagnoCure Oncology Laboratories of West Chester, Pennsylvania. Previstage™ GCC is a trademark of DiagnoCure Inc.

### References:

1. Waldman et al. Association of GUCY2C expression in lymph nodes with time to recurrence and disease-free survival in pN0 colorectal cancer. *JAMA*, 2009;301(7):745-52.
2. Carlson MR. Previstage™ GCC Colorectal Cancer Staging Test. *Mol Diag Ther* 2009; 13(1):11-14.