

Calprotectin Smartphone App

for quantitative rapid test results

QuantOn Cal®



QuantOn Cal® App required



www.quantoncal.com



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QuantOn Cal® – Calprotectin rapid test for self testing

QuantOn Cal® is a combination of an immunological calprotectin rapid test and a smartphone app to determine the exact calprotectin concentration in stool.

QuantOn Cal® is a self-test that patients can carry out on their own. The test procedure is easy and fast (around 20 minutes). The exact calprotectin concentration is immediately displayed on the smartphone screen and automatically transmitted to the attending physician. At any time QuantOn Cal® enables the measurement of calprotectin values to estimate the inflammatory activity in the gut. Therefore QuantOn Cal® makes an important contribution to increasing the quality of life of IBD patients and to improving therapy safety.

Calprotectin as essential biomarker for IBD monitoring

Calprotectin is a protein that forms primarily in neutrophils and monocytes, where it makes up the majority of soluble cytosolic proteins. As part of the innate immune system, it is involved in different processes in the framework of chronic inflammations. Calprotectin is secreted by activated neutrophils, and can thus be used as evidence of inflammation, e. g. in serum, saliva, urine, cerebrospinal fluid and in faeces.

The amount of calprotectin in stool is a measure of the inflammation-induced migration of neutrophils into the intestinal lumen, which makes calprotectin a very good marker of inflammatory processes in the gut. In practice, calprotectin has been established for some time as a diagnostic tool in distinguishing between inflammatory bowel disease (IBD) and functional bowel disorders. Because with Crohn's disease and ulcerative colitis, the amount of faecal calprotectin correlates with the extent of endoscopically detected inflammatory activity, quantitative detection of calprotectin can be used in faeces to assess disease activity, improve drug therapy and predict recurrence.

Product scope QuantOn Cal®



Materials provided:

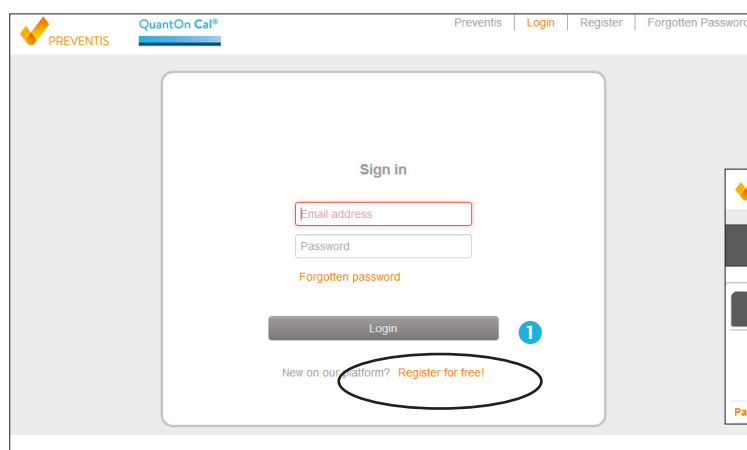
1. Package with camera test
2. Test instructions
3. Paper stool catcher
4. Sample collection tube
5. Test device in aluminium pouch

In addition, the following is required:

6. QuantOn Cal® smartphone app

Physicians – How to start modern therapy monitoring with QuantOn Cal®

- 1 Register free-of-charge in the Doctor's Portal on the QuantOn Cal® website.
- 2 Add patients to the QuantOn Cal® therapy monitoring programme.
- 3 Monitor the calprotectin values of your patients: as soon as a patient has taken a measurement with the QuantOn Cal® app, the result is automatically sent by e-mail and displayed in the Doctor's portal.



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Preventis | Login | Register | Forgotten Password

Sign in

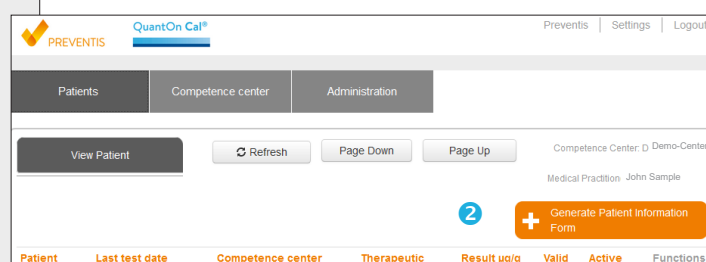
Email address

Password

Forgotten password

Login

New on our platform? [Register for free!](#)



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Preventis | Settings | Logout

Patients | Competence center | Administration

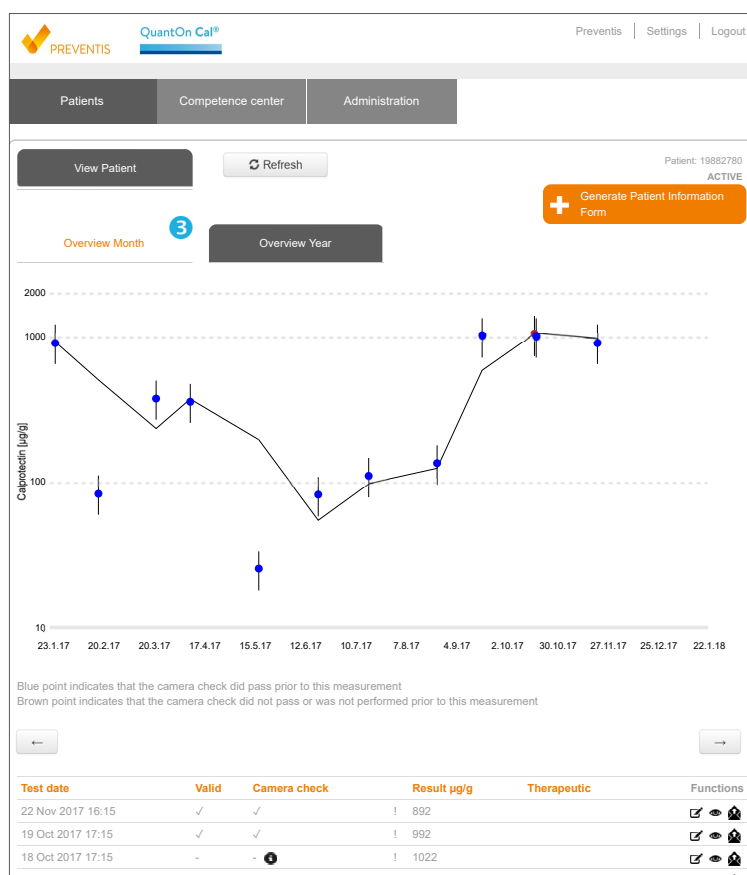
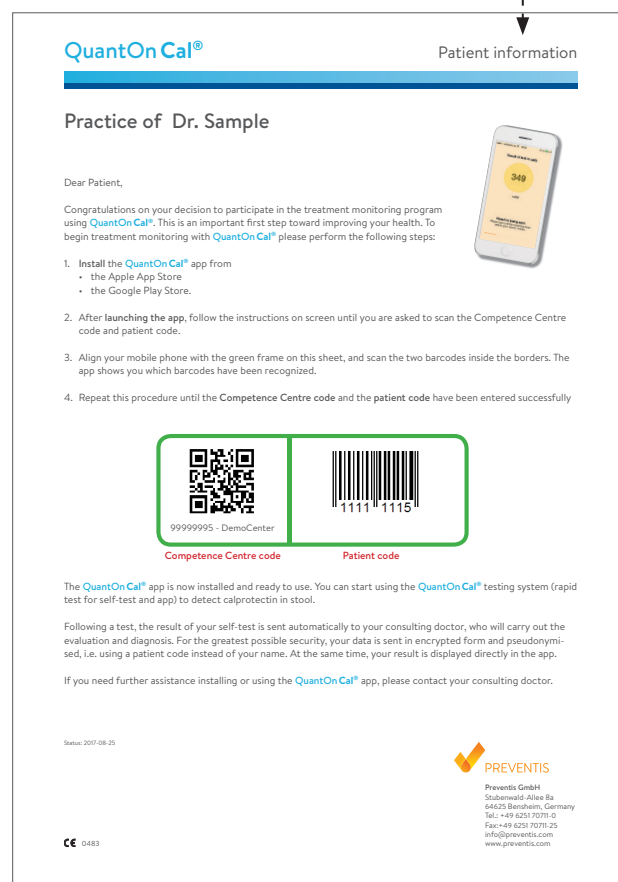
View Patient Refresh Page Down Page Up

Competence Center: D Demo-Center

Medical Practitioner: John Sample

Generate Patient Information Form

Patient	Last test date	Competence center	Therapeutic	Result µg/g	Valid	Active	Functions
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QuantOn Cal®


Patient information

Practice of Dr. Sample

Dear Patient,


Congratulations on your decision to participate in the treatment monitoring program using QuantOn Cal®. This is an important first step toward improving your health. To begin treatment monitoring with QuantOn Cal® please perform the following steps:

1. Install the QuantOn Cal® app from
 - the Apple App Store
 - the Google Play Store.
2. After launching the app, follow the instructions on screen until you are asked to scan the Competence Centre code and patient code.
3. Align your mobile phone with the green frame on this sheet, and scan the two barcodes inside the borders. The app shows you which barcodes have been recognized.
4. Repeat this procedure until the Competence Centre code and the patient code have been entered successfully



99999995 - DemoCenter

Competence Centre code



1111 1115

Patient code

The QuantOn Cal® app is now installed and ready to use. You can start using the QuantOn Cal® testing system (rapid test for self-test and app) to detect calprotectin in stool.

Following a test, the result of your self-test is sent automatically to your consulting doctor, who will carry out the evaluation and diagnosis. For the greatest possible security, your data is sent in encrypted form and pseudonymised, i.e. using a patient code instead of your name. At the same time, your result is displayed directly in the app.

If you need further assistance installing or using the QuantOn Cal® app, please contact your consulting doctor.

Status: 2017-08-25

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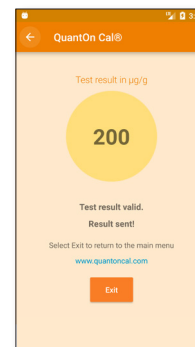
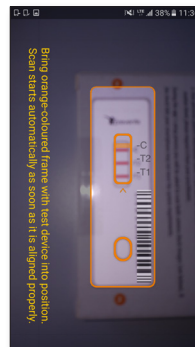
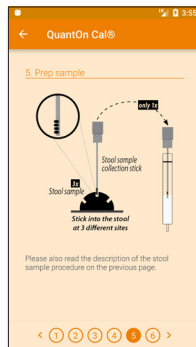
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Patients – How to use the QuantOn Cal® app

- ✓ Download and set up the QuantOn Cal® app from Google Play Store or Apple App Store on the smartphone. System requirements are listed under www.quantoncal.com



- ✓ Link the app on the smartphone with the competence center via the patient information form.
- ✓ The QuantOn Cal® app leads the patient step by step through the sample preparation and test procedure.
- ✓ The QuantOn Cal® app evaluates the results of the rapid test within a few minutes.
- ✓ The result is monitored on the smartphone screen and sent directly to the attending physician in the competence center.



Advantages of QuantOn Cal®

- ✓ non-invasive test
- ✓ no special preparations by the patient required
- ✓ simple and short way to get calprotectin values
- ✓ increases the patient's autonomy
- ✓ enables early recognition and treatment of relapse
- ✓ automatic transfer of the patient's calprotectin values to the attending physician, thus intensifying the medical attention



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