

Quantum Blue® fCAL

Lateral Flow Calprotectin Assay*: Results in Minutes

- Quantitative
- Rapid
- RFID Technology



*US: Available For
Research Use Only
for calprotectin level
determination in fecal
samples. Not for use in
diagnostic procedures.

Quantification of fecal Calprotectin with Quantum Blue®

Main Advantages of Quantum Blue®

- Rapid:** The quantitative fecal calprotectin result is obtained within 12-15 minutes.
- Simple:** The test does not require special equipment and is an ideal tool to immediately determine fecal calprotectin levels.
- Reliable:** BÜHLMANN Quantum Blue® fCAL assays have been extensively proven to correlate highly with well established and highly precise ELISA methods.

Innovative Solution based on Lateral Flow Technology

Lateral Flow Technology: Quantum Blue® relies on the established lateral flow technology.

Quantum Blue® Reader: Optical densities of test and control lines are detected by the reader and translated into a quantitative result. This prevents misinterpretation through reading by eye.

Highly Specific: Highly specific monoclonal antibodies capture the calprotectin molecule.

Quantitative: The Quantum Blue® test result is quantitative and relies on RFID technology for gathering the information of the lot-specific standard curve.



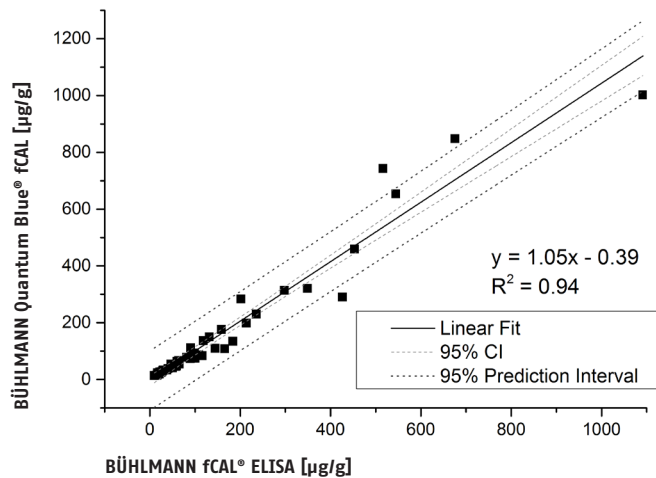
Lateral flow test cassette

3 different Quantum Blue® fCAL Assays

Test	Quantum Blue® fCAL	Quantum Blue® fCAL high range	Quantum Blue® fCAL extended
Range	30 – 300 µg/g	100 – 1800 µg/g	30 – 1000 µg/g
Time to Result	12 min	15 min	12 min
Sensitivity	< 30 µg/g	<100 µg/g	< 30 µg/g
Order Code	LF-CAL25-U	LF-CHR25-U	LF-CALE25-U

Quantification of fecal Calprotectin with Quantum Blue®

Method Comparison to the BÜHLMANN fCAL® ELISA



All Quantum Blue® fCAL assays are standardised against the BÜHLMANN fCAL® ELISA.

4 Easy Steps to a Quantitative Result with Quantum Blue®



1. The Quantum Blue® fCAL assays are fully compatible with the BÜHLMANN stool extraction device CALEX® Cap.



3. Immediately after loading, the test can be started. An internal timer controls the incubation time and starts the reading process automatically.



2. A defined amount of stool extract is loaded onto the sample loading port of the test cassette.



4. At the end, the test result is displayed in $\mu\text{g/g}$. The Quantum Blue® Reader is ready for the next sample.

Quantification of fecal Calprotectin with Quantum Blue®

Simplified Stool Extraction – BÜHLMANN CALEX® Cap

Stool Extraction with CALEX® Cap

All Quantum Blue® fCAL assays are fully compatible with CALEX®.

Efficient: The 1:500 dilution offers excellent efficiency in extraction.

Convenient: CALEX® uses a convenient and reliable sampling pin. The device is pre-filled with extraction buffer.

Stable: Extracts remain stable for 3 days at room temperature or 6 days at 2-8°C. Long-term storage at -20°C is possible for at least 18 months.

Hygienic: CALEX® is a closed system offering safe handling, storage and transport.



CALEX® Cap



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US: Quantum Blue® fCAL, Quantum Blue® Reader, CALEX® Cap are available For Research Use Only in the US.

Canada: Quantum Blue® fCAL (LF-CAL25, License No. 83477), Quantum Blue® fCAL high range (LF-CHR25, License No. 88674), Quantum Blue® fCAL extended (LF-CALE25, License No. 100161), and Quantum Blue® Reader (BI-POCTR-ABS, License No. 83478) are Health Canada Licensed.

Order Codes:

Quantum Blue® Reader: BI-POCTR-ABS
Quantum Blue® fCAL: LF-CAL25-U / LF-CHR25-U / LF-CALE25-U
CALEX® Cap: B-CALEX-C50-U / -C200-U / -C500-U

Related Products:

Quantum Blue® sCAL: LF-MRP25-U
Quantum Blue® Infiximab: US: LF-TLIF25-U
Canada: LF-TLIF25
Quantum Blue® Adalimumab: LF-TLAD25-U

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