

Product List

Application

GASTROENTEROLOGY / AUTOIMMUNITY

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| Fecal Calprotectin (fCAL) | Non-invasive marker for the diagnosis and monitoring of Inflammatory Bowel Disease. fCAL is an ideal tool to differentiate IBD from the irritable bowel syndrome and to safely pre-select patients for further diagnostic procedures. Calprotectin also allows for disease monitoring and the detection of potential relapses in IBD patients. |
| Serum Calprotectin (MRP8/14; S100A8/A9) | Marker for acute allograft rejection and chronic inflammatory diseases, e.g. Rheumatoid Arthritis (RA). |
| CIC-C1q | Circulating Immune Complexes (CIC): Rheumatoid Arthritis (RA), Systemic Lupus Erythematosus (SLE), inflammatory, rheumatic and autoimmune diseases. |
| anti-C1q | Negative predictive marker for Lupus Nephritis and a diagnostic marker for Hypocomplementemic Urticarial Vasculitis Syndrome (HUVS). |

QUANTUM BLUE® (in combination with the Quantum Blue® Reader)

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| Fecal Calprotectin | The Quantum Blue® fCAL and CRP rapid tests are sensitive, non-invasive tools to pre-select patients requiring colonoscopy for confirmation of inflammatory bowel disease (IBD) and to monitor disease. Diagnosis of Inflammatory Bowel Disease (IBD); disease monitoring. |
| C-Reactive Protein | |
| Calprotectin Ascites | Determination of elevated calprotectin concentrations in human ascites. |
| Serum Calprotectin (MRP8/14; S100A8/A9) | Marker for acute allograft rejection and chronic inflammatory diseases, e.g. Rheumatoid Arthritis (RA). |
| Infliximab | First rapid test on the market to detect infliximab levels in patient serum. |

CELLULAR ALLERGY

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| Flow CAST® | Type I allergies: diagnosis of potentially severe allergies (anaphylactic shock) like insect venoms, drugs, food; especially non-IgE mediated: beta-Lactam, NSAIDs, anesthetics. Monitoring of insect venom immune therapy. Absolute diagnostic reliability when common allergy testing (anamnesis, skin testing and spec. IgE) fails to give clear diagnosis. |
| CAST® ELISA | |
| CAST® Allergens | |

NEUROIMMUNOLOGY (anti-neural antibodies)

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| GanglioCombi MAG | Determination of anti-neural (ganglioside and MAG) antibodies in order to define autoimmune etiology of a peripheral neuropathy or to define its underlying pathology. |
| GanglioCombi Light | |
| anti-MAG; κ/λ Reagent Set | Quantification of anti-MAG antibodies (as diagnostic work-up of paraproteinemic demyelinating neuropathies) or therapy follow-up (e.g. Rituximab). Determination of kappa and/or lambda light chain antibodies in MAG neuropathies (low titres in particular). |
| anti-GM1 | Determination of anti-GM1 antibodies as occur in acute (i.e. IgG mediated) such as GBS (AMAN in particular) or chronic (e.g. MMN, IgM) conditions. |
| anti-SGPG | In the work-up of paraproteinemic demyelinating neuropathies (patients MAG and AGA negative in particular). SGPG: Sulfo-Glucuronyl-[Lactosaminyl] Paraglobosid. |

CLINICAL CHEMISTRY

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| Fecal Calprotectin | fCAL measurement on clinical chemistry analyzers in conjunction with the unique CALEX® Cap stool extraction device provides the optimal solution for automation and significant reduction of hands on time. |
| ACE kinetic | Diagnosis and monitoring of Sarcoidosis and ACE inhibitor therapy in hypertension patients. |
| ACE high sensitive | Diagnosis and monitoring of Neurosarcoidosis. |
| Cystatin C | Early diagnosis of renal diseases; calculation of eGFR. |
| GHB | Automated assay for quantitative detection of gamma-hydroxy-butyric acid (GHB) in Drug of Abuse screening. |
| Vitamin B6 | Chronic gastric diseases, dialysis patients, alcoholism, hereditary protein metabolism diseases, gestations and lactation. |

FURTHER PRODUCTS

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| Amanitin | Analysis of urinary Amanitin appears efficacious in diagnosing amatoxin poisoning. |
| Vasopressin (ADH) direct | Sensitive and robust assays for the work-up of patients with disordered states of water metabolism as well as for research purposes. ADH: Antidiuretic Hormone. |
| Vasopressin (ADH) | |
| Angiotensin II | Angiotensin II concentrations are raised or lowered in a number of diseases and/or pathologies. |

CHRONOBIOLOGY Please visit our website <https://www.buhmannlabs.ch/products-solutions/chronobiology/>



| Product Group / Product | Code | Size | CE | FDA | Method | Sample Type / Volume (Dilution) | Specifications | Time to Result |
|--|-----------------------------------|--|----|-----|----------------------|-------------------------------------|---|------------------------|
| GASTROENTEROLOGY / AUTOIMMUNITY | | | | | | | | |
| BÜHLMANN fCAL® ELISA Calprotectin | EK-CAL; EK-CAL2; EK-CAL2-WEX | 96 wells; 192 wells; 192 wells | ✓ | | ELISA | 50 - 100 mg feces | Range: 10 - 600 µg/g Range (extended): 30 - 1800 µg/g | <2 h |
| MRP8/14 ELISA | EK-MRP8/14 | 96 wells | ✓ | | ELISA | 10 µL serum or plasma (1:100) | Range: 0.4 - 24 µg/mL | 75 min |
| CIC-C1q ELISA | EK-CIC | 96 wells | ✓ | ✓ | ELISA | 20 µL serum or plasma (1:50) | Range: 1 - 50 µg Eq/mL | 2 h |
| anti-C1q Autoantibodies ELISA | EK-AC1QA | 96 wells | ✓ | | ELISA | 20 µL serum or plasma (1:50) | Range: 5 - 400 Units/mL | 2.5 h |
| QUANTUM BLUE® | | | | | | | | |
| Quantum Blue® fCAL | LF-CAL25 | 25 tests | ✓ | | Lateral Flow | <100 mg feces | Range: 30 - 300 µg/g | 12 min + Extraction |
| Quantum Blue® fCAL extended | LF-CALE25 | 25 tests | ✓ | | Lateral Flow | <1 g feces | Range: 30 - 1000 µg/g | 12 min + Extraction |
| Quantum Blue® Calprotectin High Range | LF-CHR25 | 25 tests | ✓ | | Lateral Flow | <1 g feces | Range: 100 - 1800 µg/g | 15 min + Extraction |
| Quantum Blue® Calprotectin Ascites | LF-ASC25 | 25 tests | ✓ | | Lateral Flow | 20 µL ascites (1:5) | Range: 0.18 - 1.8 µg/mL | 12 min |
| Quantum Blue® sCAL | LF-MRP25 | 25 tests | ✓ | | Lateral Flow | 20 µL serum (1:10) | Range: 0.5 - 10 µg/mL | 12 min |
| Quantum Blue® C-Reactive Protein | LF-CRP25 | 25 tests | ✓ | | Lateral Flow | ≤50 µL serum | Range: 1 - 20 mg/L | 22 min |
| Quantum Blue® Infliximab | LF-TLIF25 | 25 tests | ✓ | | Lateral Flow | 10 µL serum (1:20) | Range: 0.4 - 20 µg/mL | 15 min |
| CELLULAR ALLERGY | | | | | | | | |
| Flow CAST® Basophil Activation Test (BAT) | FK-CCR | 100 tests | ✓ | | Flow Cytometry | 50 µL EDTA whole blood | CCR3-PE / CD63-FITC | 1 h |
| CAST® ELISA | EK-CAST; EK-CAST5 | 192 wells; 480 wells | ✓ | | ELISA | 200 µL EDTA whole blood | Range: 50 - 3200 pg/mL sLT | 5.5 h |
| CAST® Allergens | BAG(2)-XXX | up to 4 stim. | ✓ | | | | optimized concentrations for CAST® assays | |
| NEUROIMMUNOLOGY | | | | | | | | |
| BÜHLMANN GanglioCombi™ MAG ELISA | EK-GCM, IgG/M Mix, IgG & IgM | 24 profiles | ✓ | | ELISA | 30 µL serum (1:50) | <ul style="list-style-type: none"> • semi-quantitative, with quantitative classification into titre categories • controls included • clinically defined cut-off value (at 50%) | 4.5 h |
| BÜHLMANN GanglioCombi™ Light ELISA | EK-GCL-S, IgG/M Mix, IgG & IgM | 24 profiles | ✓ | | ELISA | 30 µL serum (1:50) | | 4.5 h |
| anti-GM1 Autoantibodies ELISA | EK-GM1-GM, IgG & IgM | 2 x 24 samples | ✓ | | ELISA | 30 µL serum (1:50) | | 4.5 h |
| anti-MAG Autoantibodies ELISA | EK-MAG | 96 wells | ✓ | | ELISA | 2 µL serum (1:1000) | Range: 1000 - 70000 BTU; cut-off: 1000 BTU | 4.5 h |
| κ/λ Reagent Set | B-KLSET | 100 tests | ✓ | | ELISA | 2 µL serum (1:1000) | | 4.5 h |
| anti-SGPG Autoantibodies ELISA | EK-SGPG | 96 wells | ✓ | | ELISA | 2 µL serum (1:1000) | Reference: OD ratio; cut-off ratio: 1 | 4.5 h |
| CLINICAL CHEMISTRY | | | | | | | | |
| BÜHLMANN fCAL® turbo (contains each one B-KCAL-RSET, B-KCAL-CASET & B-KCAL-CONSET, also available separately) | KK-CAL | ~200 tests | ✓ | | PETIA | 50 - 200 µL feces extract | Range: 20-8000 µg/g | 10 min |
| BÜHLMANN fCAL® turbo Reagent Kit | B-KCAL-RSET | ~200 tests | ✓ | | PETIA | 50 - 200 µL feces extract | Range: 20-8000 µg/g | 10 min |
| BÜHLMANN fCAL® turbo Calibrator Kit | B-KCAL-CASET | 6 vials | ✓ | | PETIA | 50 - 200 µL feces extract | | |
| BÜHLMANN fCAL® turbo Control Kit | B-KCAL-CONSET | 3 x 2 vials | ✓ | | PETIA | 50 - 200 µL feces extract | | |
| ACE kinetic | KK-ACK; KK-ACK2; KK-ACK4; KK-ACKX | 26 mL; 2x 13 mL 4x 26 mL; 3x 100 mL | ✓ | ✓ | Enzymatic Assay | 25 µL serum | Range: 12 - 150 U/L | 10 min |
| ACE high sensitive | KK-ACF | 11 mL | ✓ | | Enzymatic Assay | 80 µL CSF or serum (1:5) | Range: 1.5 - 24 U/L | 30 min |
| Cystatin C PETIA | KK-CYC; KK-CYC-6 | R1: 55 mL, R2: 10 mL | ✓ | ✓ | PETIA | 2 µL plasma or serum | Range: 0.25 - 8.0 mg/L | 10 min |
| GHB Enzymatic Assay | KK-GHB | R1: 12 mL, R2: 5.6 mL, R3: 8.4 mL | ✓ | | Enzymatic Assay | 8 µL urine or serum | Range: 5 - 250 mg/L | 10 min |
| Vitamin B6 Enzymatic Assay | KK-VB6 | R1: 5 mL, R2: 5 mL, R3: 10 mL | ✓ | | Enzymatic Assay | 25 µL EDTA plasma | Range: 10 - 250 nmol/L | 45 min |
| SPECIAL PRODUCTS | | | | | | | | |
| Amanitin ELISA | EK-AM1 | 96 wells | ✓ | | ELISA | 40 µL urine, serum or plasma (1:25) | Range: 1.0 - 100 ng/mL | 1 h |
| Vasopressin (ADH) direct RIA | RK-VPD | 100 tests | ✓ | | ¹²⁵ I-RIA | 0.8 mL EDTA plasma | Range: 1.25 - 80 pg/mL | 48 h |
| Vasopressin (ADH) RIA | RK-AR1 | 100 tests | ✓ | | ¹²⁵ I-RIA | 1 mL EDTA plasma, urine | Range: 0.63 - 80 pg/mL | 48 h + Extraction |
| Angiotensin II RIA | RK-A22 | 100 tests | ✓ | ✓ | ¹²⁵ I-RIA | 1.2 mL EDTA plasma | Range: 2 - 500 pg/mL | 24 - 30 h + Extraction |
| CHRONOBIOLOGY | | | | | | | | |
| For further information please visit our website https://www.buhlmannlabs.ch/products-solutions/chronobiology/ | | | | | | | | |