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John Doe Samplestreet 1 12345 Sample Town UK

Surname, First name	Doe, John
DOB	01-01-1990
Sex	male
Lab number	2-73175
Report date	25-10-2023

Laboratory report

Enclosed you will find the results of your laboratory examination. In addition to your results, you will also receive a summary of the correlating effects, regarding the tested parameters. These are compiled without any knowledge on the clinical background and as such, may only be used as an interpretation aid. In case of health problems, please consult a doctor or practitioner for medical treatment and accompaniment for making the best decisions for your health. We explicitly warn against beginning, suspending, or changing any medication or therapy without consulting your doctor or practitioner.

Test: Calprotectin & Lysozyme Inflammation Test

Sample material: Stool Date collected: 03-10-2023 Date received: 04-10-2023

Analyte	Result	Reference Range	Result
Inflammation and Permeability			
Calprotectin	120 mg/kg	<= 50 mg/kg	
Lysozyme	240 ng/ml	<= 600 ng/ml	•

Calprotectin

Calprotectin is a protein with bacteriostatic and fungistatic properties released by cells of the innate immune system. It is a sensitive marker of acute and chronic intestinal inflammatory diseases and is present in proportion to the severity of any existing inflammation. Elevated levels of calprotectin indicate inflammatory or neoplastic changes in the bowel and should, if necessary, be investigated by endoscopy.



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Lysozyme

Lysozyme is part of the intestinal mucosal barrier and has antibacterial activity against several gram-positive bacterial species. It is produced by cells of the innate immune system (neutrophils, monocytes, and macrophages) and secreted into the gut lumen during inflammatory responses.

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