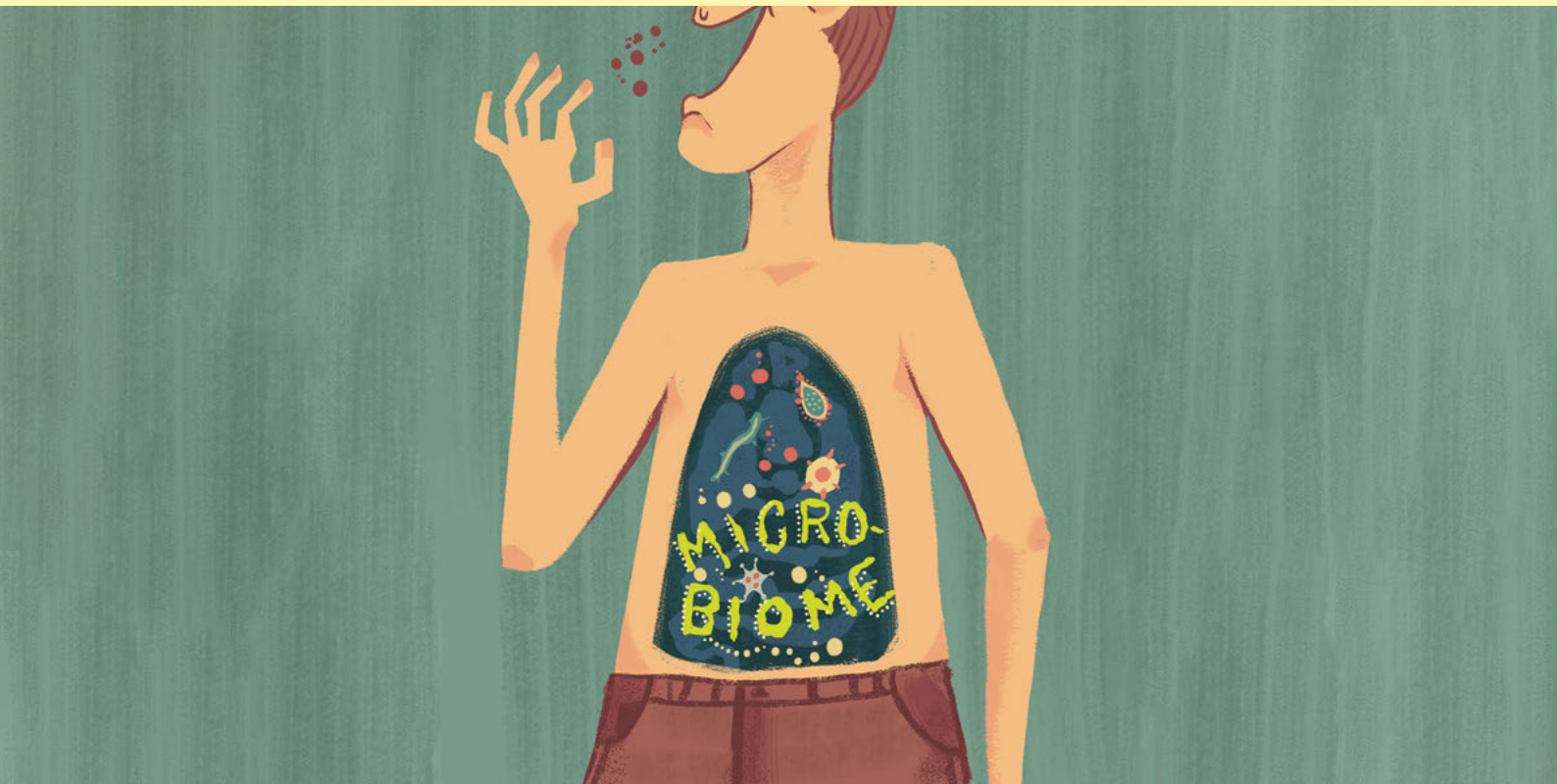


Intestinal microbiome



Good or bad bacteria?

Immundiagnostik's quantitative PCR tests help to answer it!

The intestinal microbiome

Searching for „good or bad“ bacteria

- Does the intestinal microbiome train our immune system?
- Do intestinal bacteria influence autoimmune diseases/allergies?
- Do “bad bacteria” trigger specific diseases – even cancer?
- Does an imbalance of intestinal bacteria lead to obesity?
- Can the intestinal microbiome be steered/strengthened by diets (pre-/probiotics)?

Immundiagnostik’s quantitative PCR tests help to answer it!



The quantitative qPCRs for the detection of specific clinically relevant intestinal bacteria allow the targeted determination of the actual bacterial count in the patient’s stool. This allows the doctor to monitor the diet control and thus to finally diagnose the promotion of „good bacteria“ in the patient’s intestine.

Taxonomic ranking (examples):

Phylum:	Proteobacteria
Family	Desulfovibrionaceae (SRB), Lachnospiraceae
Genus	Enterococcus , Lactobacillus, Bifidobacterium, Bacteroides, Eubacterium rectale, Prevotella, Ruminococcus
Species	Escherichia coli, Faecalibacterium prausnitzii, Akkermansia muciniphila, Fusobacterium nucleatum, Clostridien Cluster I, Clostridium perfringens, Clostridium difficile

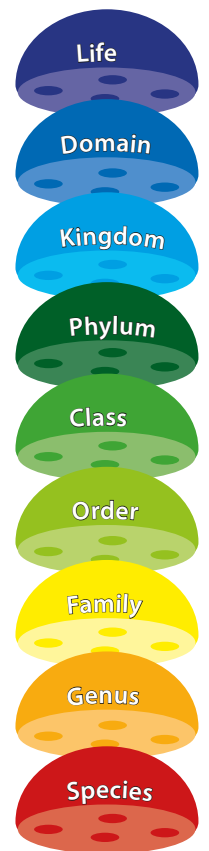


Figure: Taxonomic hierarchy

Immundiagnostik’s quantitative PCR tests

MutaREAL® Laktase

MutaPLEX® AKM/FAEP	KG1911-96
Akkermansia and Faecalibacterium	
MutaPLEX® EU/BAC/BIF	KG1912-96
Eubacterium, Bacteroides, Bifidobacterium	
MutaPLEX® PRE/RU/LA	KG1913-96
Prevotella, Ruminococcus, Lachnospiraceae	
MutaPLEX® C. difficile	KG194396
Clostridium difficile	

IDK® Real time PCR



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