

BBC (Bio-Builder Club)

Irritable Bowel Diseases (IBD), such as Irritable Bowel Syndrome (IBS), are chronic health conditions that cause disruptive and challenging symptoms. Chitin, a type of indigestible fiber, often exacerbates IBD symptoms. Studies suggest that the ability to digest chitin could lessen IBD symptoms. This experiment will utilize chitinase to break down chitin, thus alleviating symptoms of IBD. This project aims to generate a probiotic bacteria that is able to digest chitin.