
Peer reviewed version

Link to published version (if available): 10.1007/s00253-016-7527-3

Link to publication record in Explore Bristol Research

PDF-document

University of Bristol - Explore Bristol Research

General rights

This document is made available in accordance with publisher policies. Please cite only the published version using the reference above. Full terms of use are available: http://www.bristol.ac.uk/pure/about/ebr-terms
Probiotic cells suspension assay

Adhesion

Initial colonization

Maturation

C. albicans
ATCC SC 5314, 75 wild-type

Addition of Lactobacillus cells suspension
L. rhamnosus, L. casei, L. acidophilus
(1 x 10^7, 5 x 10^6, 2.5 x 10^6, 1.25 x 10^6,
and 6.25 x 10^5 cells/ml)

CFU quantification
C. albicans viability

Probiotic supernatant assay

Adhesion

Initial colonization

Maturation

T1

0 h 1.5 h

A B

Addition of L. rhamnosus biofilm supernatants
Phase-1: 1.5 h
Phase-2: 24 h
Phase-3: 48 h

T2

0 h 1.5 h 24 h 25.5 h

A B

XTT reduction assay
Quantification of C. albicans cells viability

T3

0 h 1.5 h 24 h 25.5 h 49.5 h

A B

37 °C
75 – 80 rpm