PROCESS FOR EXTRACTING LIPIDS FOR USE IN PRODUCTION OF BIOFUELS

ABSTRACT

Methods and systems used to extract lipids suitable in production of biofuels from a fermentation broth may include using heat to pre-treat the fermentation broth in order to more easily extract a product from oleaginous microorganisms in the broth. Additionally or alternatively, a combination of enzymes including amylase, 1-4 mannosidase, and 1-3 mannosidase may be used to break down cell walls of the oleaginous microorganisms. Residual broth water may be recycled and used as imbibition water for washing a process feedstock to extract sugar.

FIG. 1