

Analysis of β -glucan content in yeast cell wall by sensitivity to Glucanex[®] 200G

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β -glucan is a polymeric material composed of glucose. Especially the β -glucan obtained from yeast cell wall is known to be one of the biological active compounds that have skin protection capability. The composition and structure of yeast cell wall vary with species of yeasts, composition of media and the culture conditions. The β -glucan contents of yeast cell wall was estimated by measuring the sensitivity of yeast cell wall after treatment with various Glucanex[®] 200G concentrations. The degree of resistance of yeasts to Glucanex[®] 200G was found to be closely related to the β -glucan content of yeast cell wall. The β -glucan contents of cell wall of *Candida albicans* (KTCT 7965) that is sensitive to β -glucanase and *Candida bombicola* (KCTC 7145) that is resistant to β -glucanase were measured and compared.