

EnBase technology is now available for yeast biotransformations

Dear Sir or Madam,

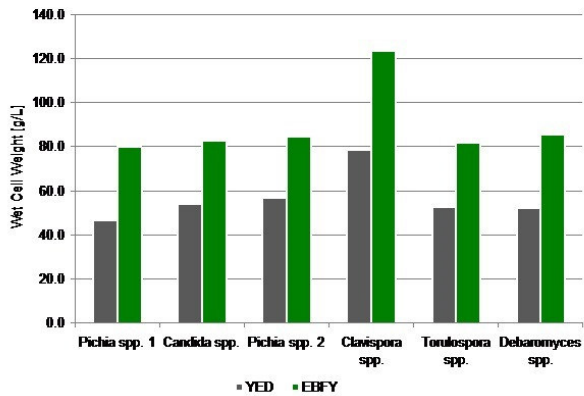
Screening of microbial whole cell biotransformations can be simplified by using the EnBase technology to obtain a high cell density culture in smaller cultivation volumes.

Traditional media does not allow for high cell densities due to the higher concentration of glucose readily available for microbial growth (batch condition).

EnBase Flo Yeast medium is a NEW EnBase Flo product made specifically for yeast strains. This was developed based on the need to obtain high cell densities and the ability to have effective growth in small cultures.

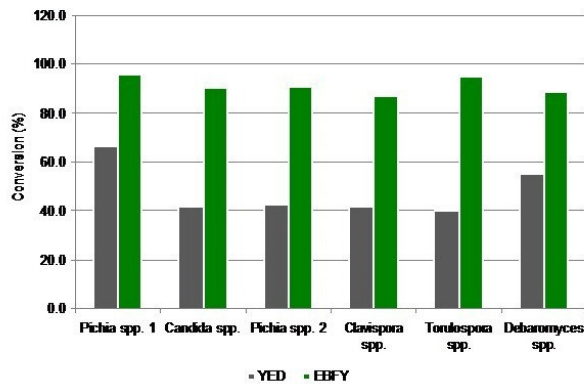
Using EnBase Flo Yeast medium, you can improve three important results:

1 - Improve the growth and biomass production



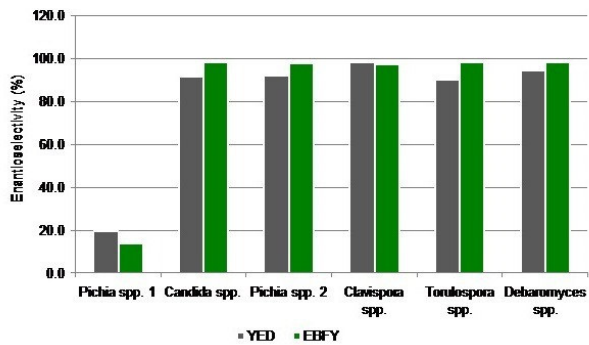
All six yeast strains had increased wet cell weight [g/L] in EnBase Flo Yeast Medium (80-124 g/L) compared to yeast extract dextrose (YED) medium (47-79 g/L).

2 - Improve the percentage of conversion



All six strains of yeast had significantly improved conversion when cultivated in EnBase Flo Yeast medium compared to YED.

3 - Improve the enantioselectivity (ee)



Five of six strains had an increase in enantioselectivity (97.6 – 98.5% compared to 89.8 – 94.7%).

The improvements in cell biomass, percentage of conversion and percentage of enantioselectivity show why EnBase Flo Yeast medium is a powerful tool for screening of whole cell biocatalyst transformation activity.

Thus, screening of biocatalytic activity in whole transformations is simpler and more effective.

[>> Click here to read the poster on screening biocatalytic activity using EnBase Flo Yeast Medium](#)

[>> Click here for the EnBase Flo Yeast Medium webpage](#)

best regards,

Craig Fuller
BioSilta
Oulu, Finland

P.S. Have you seen that we updated our website?

[Click here to take a look.](#)

Let us know what you think!