Defined medium for Kombucha (*A. xylinus)*

Glucose 2% w/v

Tryptone 0.5% w/v

Yeast extract 0.5% w/v

Disodium phosphate Na2HPO4 0.27% w/v

Citric acid 0.15% w/v

This is a variant of Hestrin-Schramm media and seems to promote *xylinus* growth over the regular kombucha recipes.  The addition of the organic acid seems to stimulate the *xylinus* and help control external contamination. The disodium phosphate is only used as a buffer to control pH from what I understand.

Adding 1% w/v gypsum increased cell density, and 2% w/v gypsum drastically sped up the formation of a pellicle. Both solutions were saturated and had undissolved gypsum at the bottom of the flask.

From Charles Liddell (QUT).