

# CIP Procedure for Feeding Lines

For a chemical sterilization of the feeding lines, it is recommended to start the Cleaning In Place (CIP) procedure during autoclaving of the vessels.

In the CIP procedure provided in the software, the feeding lines are rinsed successively with ethanol (70 %) and NaOH (2N). This procedure is a recommendation and can be customized by using the setup editor and applied as a user template subsequently.

In the literature a sequential application of ethanol and sodium hydroxide (NaOH) is described as an effective sterilization method, which has shown an in-activating effect even on *B. subtilis* spors. See:

Girot, P., Moroux, Y., Duteil, X.P., Nguyen, C., Boschetti, E. (1990) Composite affinity sorbents and their cleaning in place. *J Chromatogr* 510: 213-223.