

## Process model parametrization

The parametrization of the batch cultivation process model was given by the tabular notation of a `murefi.ParameterMapping` in Table 1.

**Table 1. Parameter mapping for fitting of Monod kinetics.**

Repetitive rows were left out for clarity. The full length table has 28 rows.

replicate	$S_0$	$X_0$	$\mu_{\max}$	$K_S$	$Y_{XS}$
A02	S0	X0_A02	mu_max	0.02	Y_XS
...	S0	X0_...	mu_max	0.02	Y_XS
A08	S0	X0_A04	mu_max	0.02	Y_XS
...	S0	X0_...	mu_max	0.02	Y_XS
D08	S0	X0_D08	mu_max	0.02	Y_XS