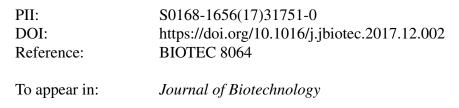
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ACCEPTED MANUSCRIPT

Research Paper

Application of heat compensation calorimetry to an E. coli fed-batch process

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Highlights

- Heat compensation calorimetry was applied to an *E. coli* fed-batch fermentation
- Heat compensation calorimetry needs adequate controller tuning to suppress oscillation
- There are significant differences between calorimetric modes

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