

Applications of Microreactor in Pharmaceutical Development & Production

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Abstract –

Process intensification with microreactors is a novel engineering approach that has shown promise to expedite pharmaceutical process development. Microreactors not only offer highly efficient heat and mass transfer, but also allow experimental studies with limited amount of material. Case studies from our experience will be presented to illustrate the productivity benefits along with the safety enhancements. At conclusion, we will also discuss the challenges we have encountered with the use of microreactors.