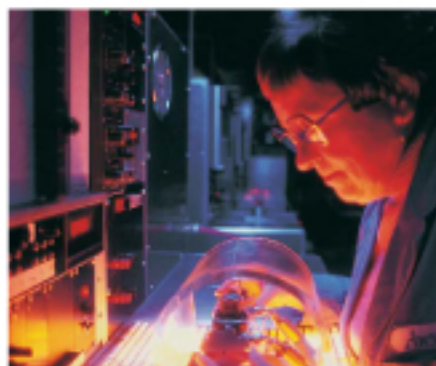


Applications Note:



Dynamic Extractions Ltd (DE) offers separation solutions to the international pharmaceutical industry. DE has combined access to unique separation technologies with vast experience and knowledge of the challenges facing the pharmaceutical industry, to develop a range of high performance DE centrifuges. DE centrifuges provide a high resolution/ high capacity purification technology that enables:

1. Improved sample isolation times due to high sample injection concentrations and volumes.
2. Significant reductions in solvent usage to provide purified sample.
3. No sample loss through adsorption.
4. Sample isolation times can be reduced because DE centrifuges are highly tolerant to unconditioned samples.

Application 1

DE Centrifuge: Midi

Separation: Hydrophobic (Non-polar)

Per Injection

Target compound isolated: 6 grams

Crude loading: 25 grams

Purity: >92%

Recovery: >95%

Cycle time: 40 minutes

Total quantity of crude processed: 9 kg

Total solvent used: 468 litres



unconditioned crude

Application 2

DE centrifuge: Maxi

Separation: Hydrophilic (polar)

Per Injection

Target compound isolated: 23.6 grams

Crude loading: 160 grams

Purity: >95%

Recovery: >90%

Cycle time: 40 minutes

Total quantity of crude processed: 6.7 kg

Total solvent used: 480 litres

Dynamic Extractions combines access to unique separation technologies with vast experience and knowledge of the challenges facing the pharmaceutical industry, to develop a range of high performance DE centrifuges.



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