

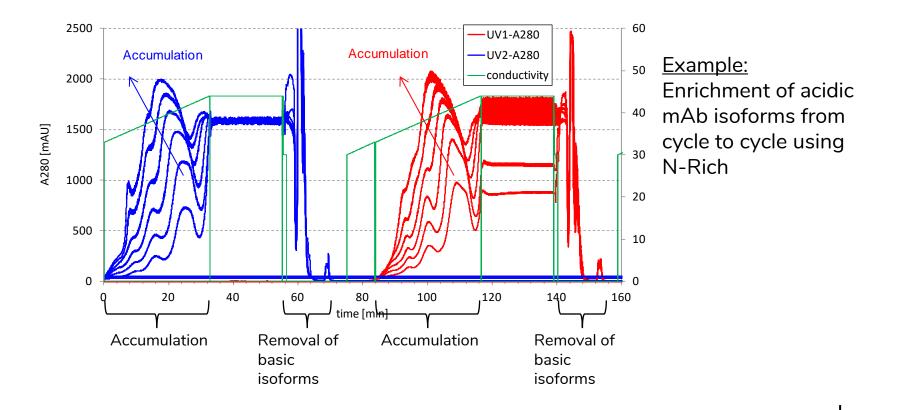
The N-Rich process principle

Enriching minor components by continuous chromatography

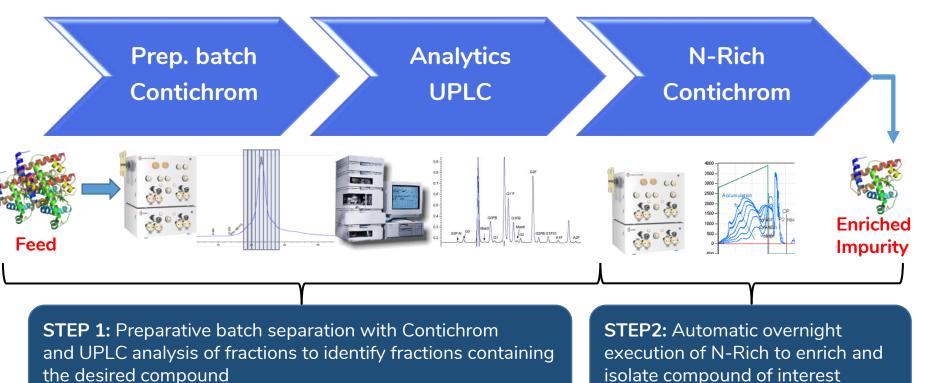
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N-Rich uses

- Invaluable tool for development ICH-Q3A(R2) impurity isolation and characterization
- Proven for difficult to isolate biosimilar isoforms / product-related impurities
- Automated proteome/metabolome screening



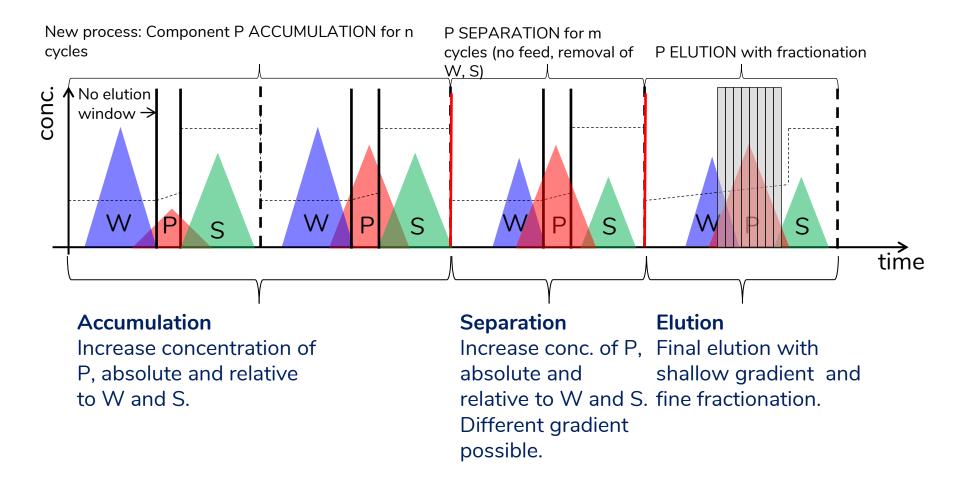
N-Rich concept

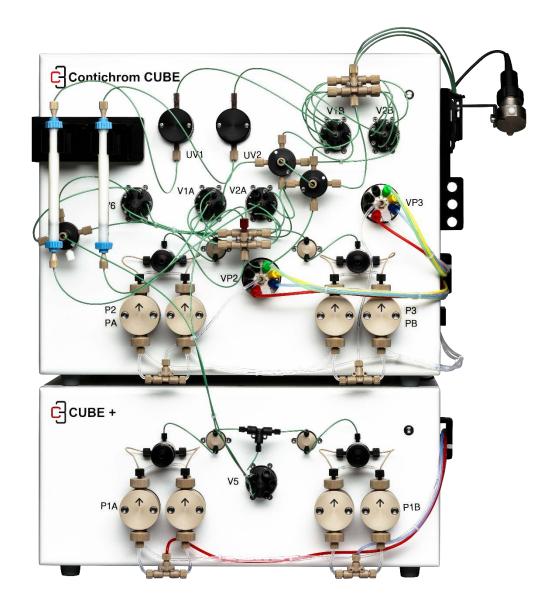


- ✓ avoids tedious collection of prep fractions
- N-Rich single run to enrich side components AND deplete undesired main component overnight
- ✓ High throughput, save weeks of tedious repetitive work
- Preserve integrity of isolated impurity

N-Rich compound enrichment process concept

• Process scheme:

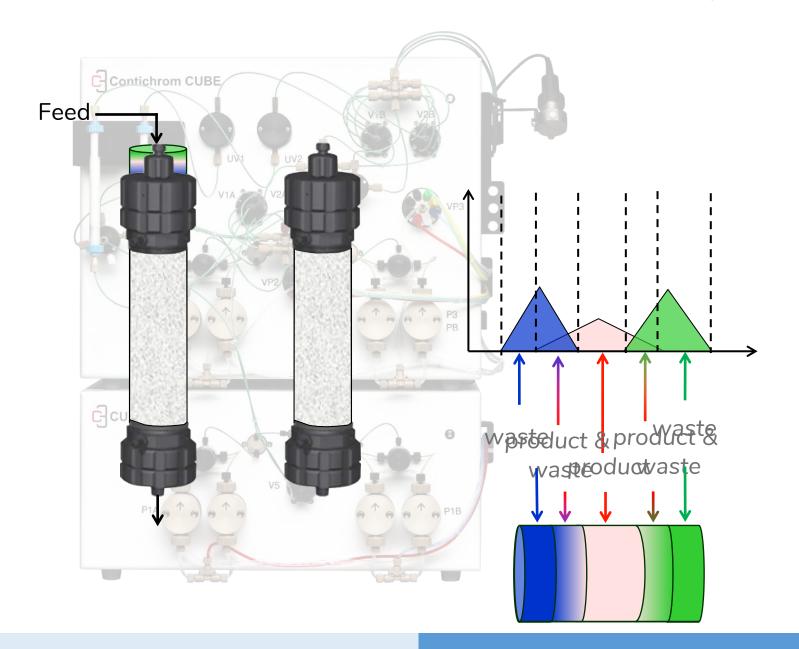




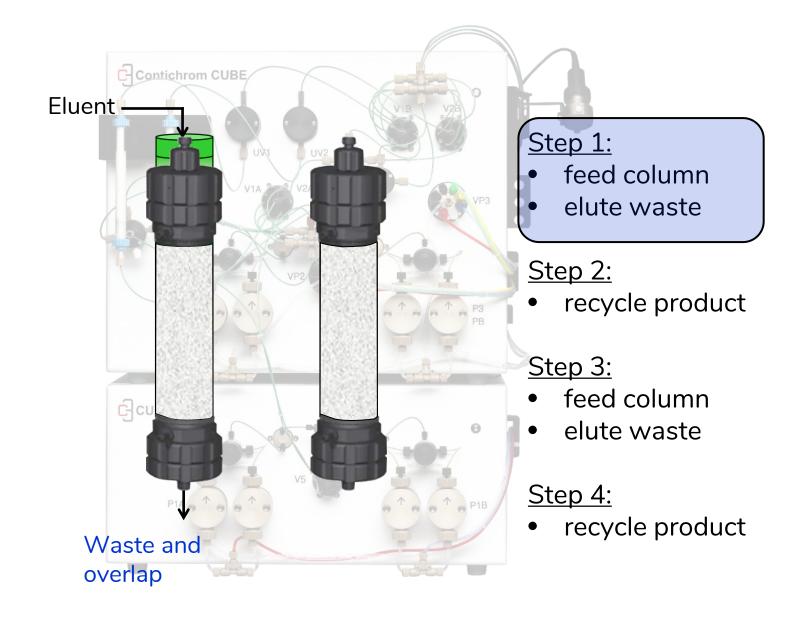




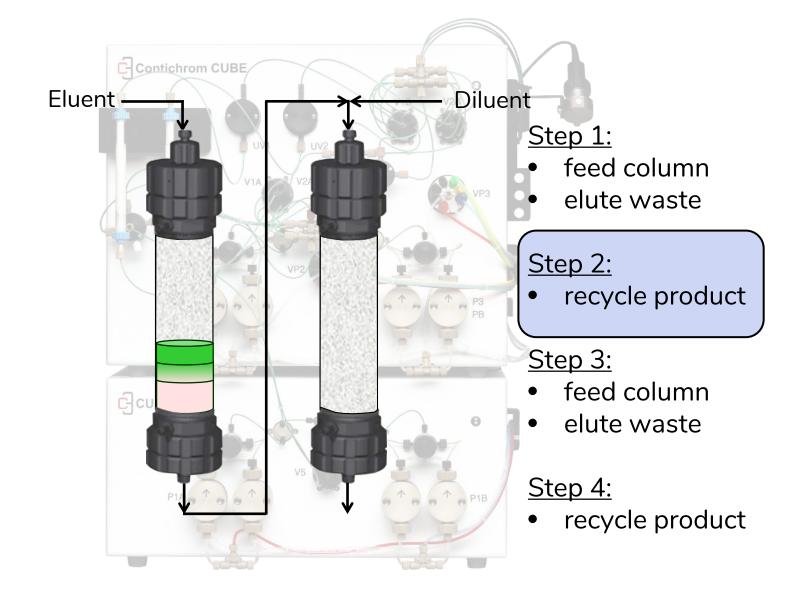




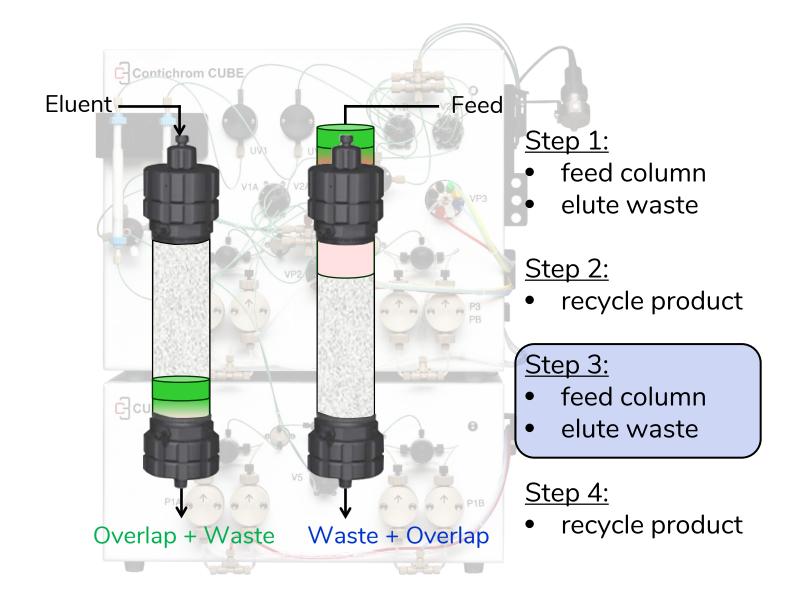




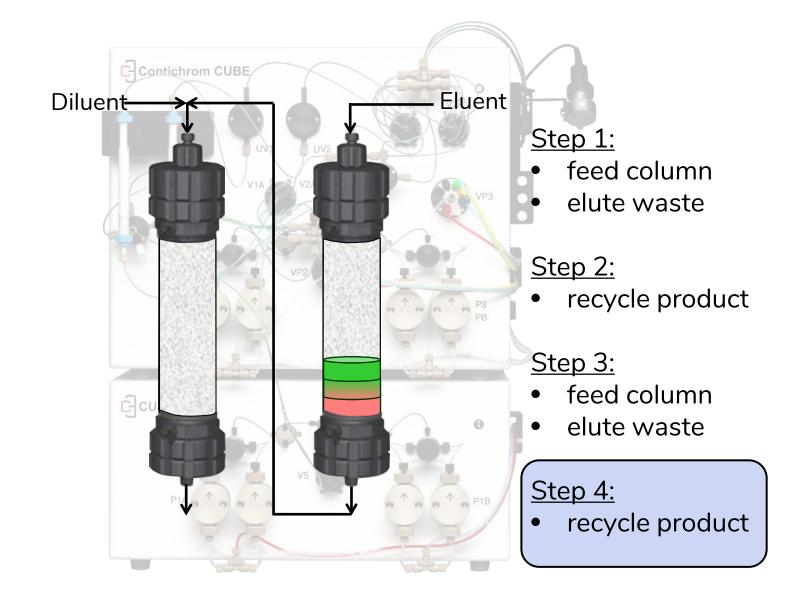




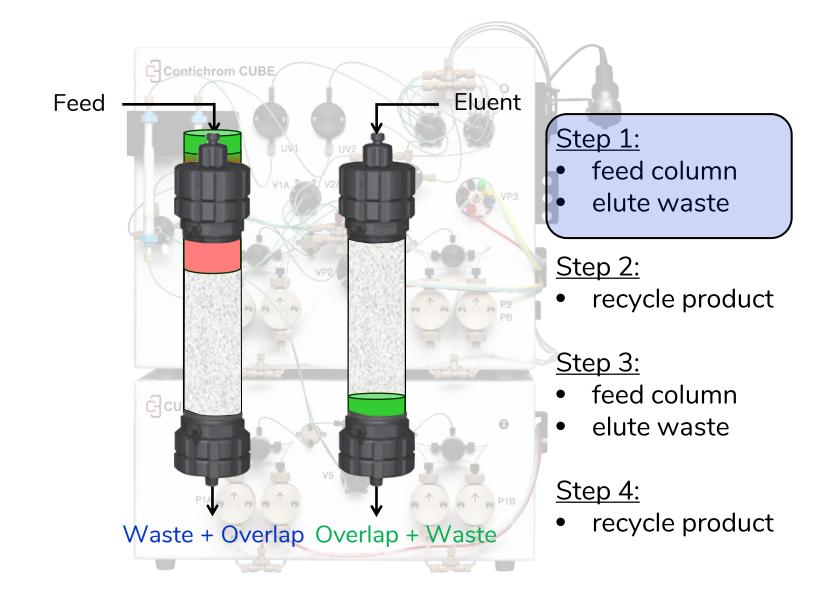




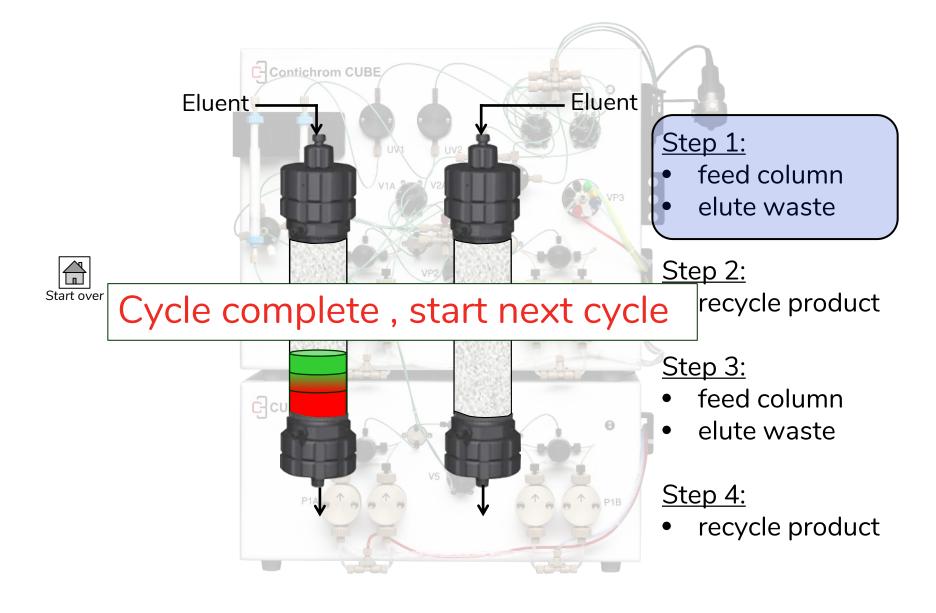












Start over



