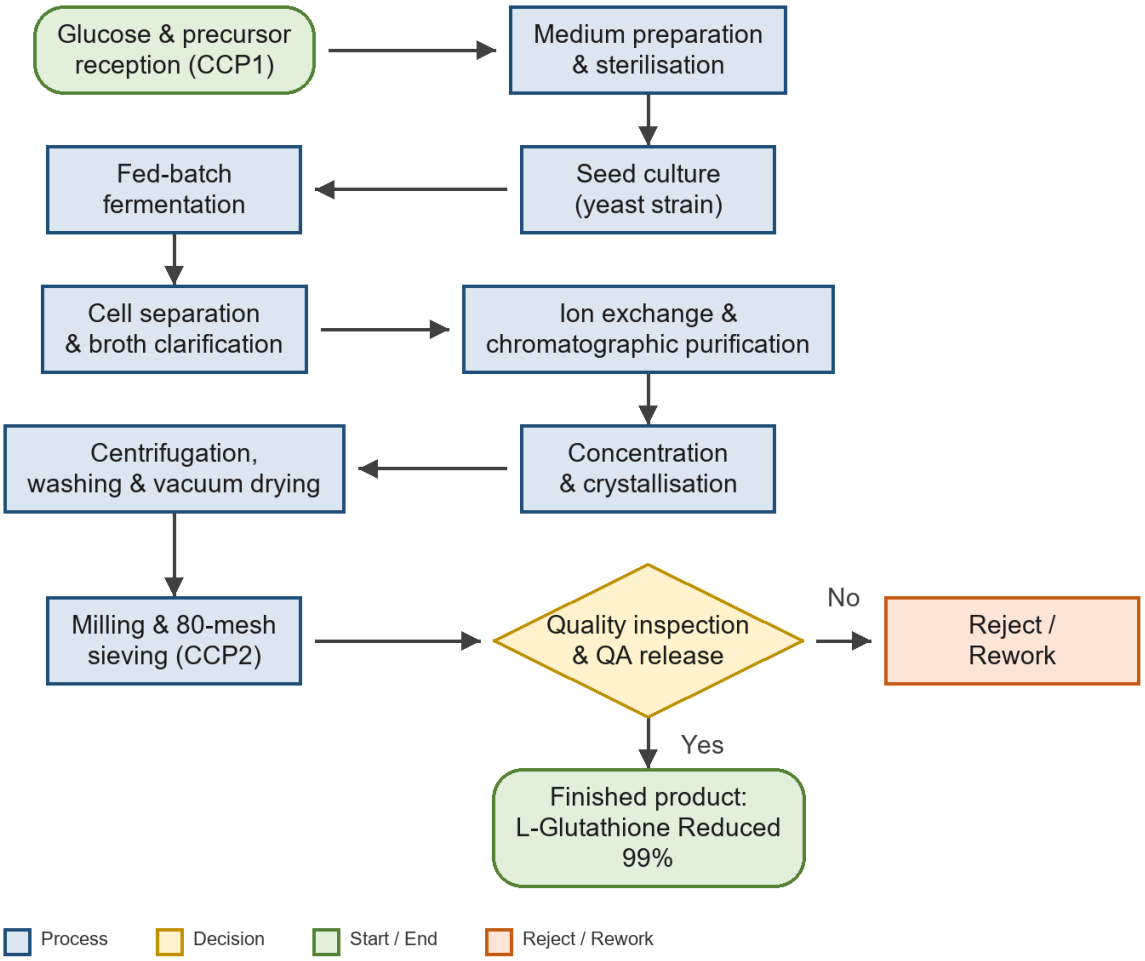
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PROCESS FLOW CHART

L-Glutathione Reduced 99%

L-Glutathione Reduced 99% is produced by yeast fermentation. A selected yeast strain is built from a seed culture and grown in a sterilised medium under fed-batch conditions with precursor feeding to accumulate reduced glutathione intracellularly. The cells are separated and the glutathione is released, purified by ion exchange and chromatography, concentrated and crystallised. The crystals are centrifuged, washed, vacuum dried, milled and sieved through 80 mesh before quality inspection and QA release, giving a white crystalline powder of 99.0%-101.0% assay.



The process is operated under a HACCP-based food-safety plan and GMP; critical control points include raw-material acceptance (CCP1), the in-process checks marked on the chart, and the final quality inspection and QA release. Off-spec material is rejected or reworked.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 19, 2026