Lyophilisation Process Development



- □ Quality Target Product Profile (QTPP) for Lyophilized injectable form:
 Route of administration, Dosage strength, Pharmaceutical dosage form,
 Container-closure system, Storage condition, Shelf life, Quality attributes
 (Appearance, identification, Uniformity of mass, uniformity of dosage units,
 reconstitution time, Residual water, API content, Relates substances, Particles,
 Sterility, bacterial endotoxins).
- ☐ Identification and Determination of :
 - Critical Quality Attributes (CQAs).
 - Critical Material Attributes (CMA).
 - Process Parameters (CPPs).

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