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	Old Paradigm	New Paradigm
Validation	Generality; protocol-centric; 3 batches with extra testing; event- driven	Risk-based; effort proportional to risk; continuous quality verificatio (CQV)
Qualification	Protocol-centric; complex multi- layered;	Risk-based; effort proportional to risk; continuous assessment of capability
Change Control	All changes important; document centric; objective is regulator	Risk-based; centered on risk assessment and mitigation; quality-centric
Material Management	Universal specifications; pharmacopeia acceptance; laboratory controls	Performance-based; rapid assessment at receipt and use; limited inventory
Product Release	Meet Spec; keep sample size small; end-product testing; significant testing lag with high levels of WIP	Real-time assessment/ prediction; process monitoring; rapid release; reduced WIP









