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Vapor Phase Cooling

National Cancer Institute

Source

National Cancer Institute. *Vapor Phase Cooling*. NCI Thesaurus. Code C78211.

A cryogenic process for the storage and/or shipping of biospecimens. The item to be frozen is placed above a shallow reservoir of cooling liquid in a storage vessel. A vertical temperature gradient is maintained throughout the vapor layer to ensure temperatures sufficiently low to maintain the integrity of the stored material.