



Technical Data Sheet

Copper-64 Bulk Radiochemical

Copper Chloride (Cu-64)

Half-Life: 12.7 hours

ORIGIN:	Denton, TX
CHEMICAL FORM:	Copper Chloride Cu-64 in 0.04N Hydrochloric Acid
PHYSICAL FORM:	Liquid; dilute Hydrochloric Acid
SPECIFICATIONS: (@ Calibration)	Radionuclidic Purity: Cu-64 \geq 98.0% Others \leq 2.0% Chemical Purity: Ni, Fe, Cu, Au, Ag each \leq 0.2 μ g/mCi Cu-64 Specific Activity: \geq 80,000 Ci/g Radionuclidic Identity: Peak observed at 1345.8 keV pH: 1 - 2 in 0.04N Hydrochloric Acid Activity Concentration: \geq 25 mCi/mL
NUCLEAR REACTION:	$^{64}\text{Ni}(p,n)^{64}\text{Cu}$
CALIBRATION:	20:00 CT day of manufacture
UNIT OF SALE:	millicurie
EXPIRATION:	48 hours after calibration
PRODUCTION SCHEDULE:	Client Dependent
DELIVERY:	FOB Denton, Texas
ORDER DEADLINE:	1 week prior to day of shipment

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