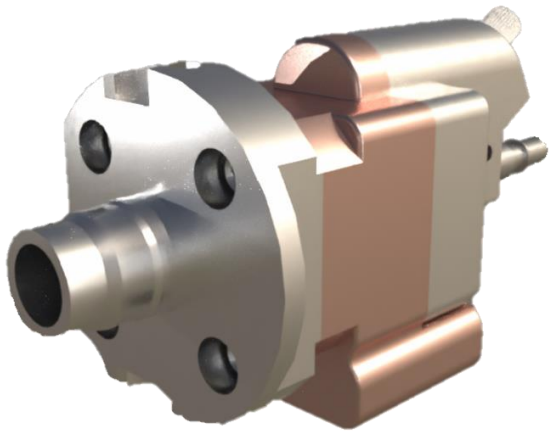
CTLH-DC70-GEPT



	^{18}F	^{13}N
Max Current	130 µA	70 µA
Yield[1]	13 Ci (481 GB)	1.3 Ci (48 GBq)
Sat Yield	230 mCi/µA (8.5 GBq/µA)	27 mCi/µA (1.0 GBq/µA)
Fill Volume	3.0-4.5 mL	3.0-5.0 mL
Chamber volume	6.9 mL	6.9 mL
Chamber material	Niobium 99.8+ %	Aluminum
Body material	Aluminum	Aluminum
Window material	HAVAR®, 38 µm	
Dimensions (mm)	162 (L) x 63 (W) x 80 (H)	
Foil cooling media	He cooling NOT REQUIRED	
Chamber cooling media	Re-circulating deionized water	
Chamber cooling media	< 10 °C	
Chamber cooling flow	> 10 LPM	
Water cooling Tube size	3/8" OD	
Media Fittings	10-32 UNF	

This target is fully compatible with the GE PETtrace cyclotron target ports. It does not require Helium cooling. Ask for energy degraders for production of radiometals.

[1] Reported yield correspond to a bombardment time of 1 half-live for ^{18}F and 3 half-lives for ^{13}N. Yield may vary with each cyclotron system beam characteristics.

Ordering information

Description	Part Number
^{18}F target, DC70 for GE PETtrace Cyclotrons, Niobium chamber.	CTLH-DC70-GEPT-NB
^{13}N target, DC70 for GE PETtrace Cyclotrons, Niobium chamber.	CTLH-DC70-GEPT-AL
Radiometals Solution target, DC70 for GE PETtrace Cyclotrons, Niobium chamber.	CTLH-DC70-GEPT-RMS
Target rebuild kit for CTLH-DC70-GEPT-NB ^{18}F targets	TRK-CTLH-DC70-GEPT-TA
Target rebuild kit for CTLH- DC70-GEPT-AL ^{13}N targets	TRK- CTLH-DC70-GEPT-AL
Target installation kit for CTLH- DC70-GEPT-xx targets	TIK-CTLH-SC70-GEPT
Window cooler extraction tool	CTLH-TL-DFC
O-ring pick tool	CTL-TL-OSP