



# QUOTE from Universal Cryogenics

JOB CODE	Date	Quote #
UACL20K	10/2/2015	514

UNIVERSAL CRYOGENICS  
 1815 W. Gardner Ln.  
 Tucson, AZ. 85705  
 520-622-6277 ph  
 520-623-3167 fx  
 www.ucryo.com  
 kirby@ucryo.com

QUOTE VALID FOR 30 DAYS.	Ship To
SHIPPING WILL BE ADDED TO FINAL INVOICE.	The University of Arizona Central Receiving 1145 South Warren Ave. Tucson, AZ 85721-0458 Attn Craig Kulesa
PROGRESS PAYMENTS MAY APPLY WITH PO.	

<b>Customer Name / Address</b>
The University of Arizona
Customer Contact
CRAIG KULESA

Customer Contact Ph	Rep	Project

Line	Item	Description	Qty	Rate	Total
1	Dewar	Southpole Dewar based on Closed Cycle System. -12-inch case section -Dewar stand and handles located around cold head for handling. -External case holes TBD for interface with customers system. -Case split at critical location for ease of dewar assembly with array. -Cold plate details to allow install of customers instrument. -System assembly and Stack up.	1	8,500.00	8,500.00
2	Cryo-Cooler	Existing Sunpower CryoTel CT Series cooler. - Sumitomo RDK-101 -Electronics control box mounted in rack mount enclosure with cooling fan. -KF50 welded bellows interface mount. -SunPower cooling tube with heat exchange fins and high flow cooling fan to allow in lab testing. -Gold plated thermal bus bar interface from cold tip to cold plate. -Thermal radiation shield. -System design and integration.	1	29,000.00	29,000.00
3	Rad-Shield	Radiation shield attached to cold plate. -Allows flange mount at both ends.	1	1,000.00	1,000.00
4	Rigid-Supp-A	Internal Rigid Support System fixed between cold work regions.	1	650.00	650.00

UNIVERSAL CRYOGENICS TERMS AND CONDITIONS 2015 APPLY, THANK YOU FROM UNIVERSAL CRYOGENICS!	<b>Total</b>
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Line	Item	Description	Qty	Rate	Total
13	baffle-filter-hldr	Baffle with filter holding on radiation shield cover.	1	375.00	375.00
14	Blank-Flange-A	Blank mounting Flange mounted to dewar. -Location TBD based on design. -Allows access to array install to match customers instrument design.	1	1,000.00	1,000.00
15	Design	Dewar Mechanical Design of system. -Design meetings and presentation at UofA.	1	1,000.00	1,000.00
16	Dewar-Test-A	Dewar Leak Checking, Vacuum and Cryogenic Testing of Dewar with Documentation.		1,000.00	1,000.00
17	DELIVERY TERMS	DELIVERY OF SYSTEM IS 16 - 18 WEEKS ARO.			

UNIVERSAL CRYOGENICS TERMS AND CONDITIONS 2015 APPLY, THANK YOU FROM UNIVERSAL CRYOGENICS!	<b>Total</b>	\$45,000.00
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