

ITEMS ON PALMER'S LIFE-CYCLE LIST to cover BASIC REQUIREMENTS						
QTY	INSTRUMENT	Unit Cost	TOTAL COST	COMMENTS	PURCHASE YEAR	LCR
1	UltraLow freezer, -80C, Revco	\$7,954.00	\$7,954.00	Revco Upright Elite Series 21 cu.ft. Ultra-Low -86C Temperature Freezer 115V/60 Hz	1992	16
1	Water System, Nanopure	\$8,400.00	\$8,400.00	Labconco wall system (\$6300) with spares- will make for an expandable system (trace metal clean, etc)	1987	16
1	hood, laminar flow, for PCR	\$2,995.00	\$2,995.00	current one on station does not move air adequately for current applications	1986	25
3	Go-Flo bottles 5L	\$1,498.00	\$4,494.00	replaces old units, reducing inventory of larger volume in favor of smaller.		
8	Go Flo bottles 1.7L	\$1,305.00	\$10,440.00	replaces old units, larger number of smaller bottles		
1	Freezemobile XL model	\$21,977.00	\$21,977.00	has exceeded lifecycle.	1982	15
2	Refrigerator, undercounter flammable storage	\$2,183.00	\$4,366.00	safety/ reagent integrity. Currently have 2 non-flammable storage units		
1	Hood, fume portable	\$5,945.00	\$5,945.00	lab has 5 hoods, one is rad dedicated. Need additional mobile unit to increase allocation flexibility		
			\$66,571.00			

ITEMS IN PROCESS, SHOULD ARRIVE PALMER 2012, pending approval						
QTY	INSTRUMENT	Unit Cost	TOTAL COST	COMMENTS	PURCHASE YEAR	LCR
1	Wescor 5600 Osmometer, 20-3200 mmol/kg	\$8,200.00	\$8,200.00	Replace Wescor 5500 model, unreliable, spare parts no longer available	1991	15
1	Winch/Hoist for "Bruiser" sampling platform	\$8,000.00	\$8,000.00	Current winch is under-powered with age. Rebuilt on station, not expected to last this season.	1996	10

ITEMS THAT HAVE BEEN PURCHASED AND WILL ARRIVE TO PALMER 2011-12 SEASON				
QTY	DESCRIPTION	COMMENTS	PURCHASE YEAR	Expected Lifespan
1	Ice Maker, Flaker	Current unit was rebuilt with no spare parts available to purchase. Leaking fluids, no longer reliable.	2011	15
1	Revco Upright Elite Series 21 cu.ft. Ultra-Low -86C Temperature Freezer 115V/60 Hz	Unit in Lab 2 no longer holding reliable temperature, often going into warm temperature alarm, spare parts no longer available, purchased in 1992.	2011	16
4	Refrigerating Circulator Waterbath, Digital One Model 1186D, -25C to 150C, 28L SS Tank, 120V, 60Hz	Adding to inventory to meet increased demand for these units. RTE-17 models no longer available.	2011	15
3	Go-Flo bottles 5L	Replace broken unrepairable units to meet demand for coming season	2011	10
3	Go Flo bottles 1.7L	Replace broken unrepairable units to meet demand for coming season	2011	10
2	Zodiac, F470	Replacing two oldest F470's on station that are each 17 years old	2011	12
2	Zodiac, F580	Replacing two F580's on station in worst shape, 12 and 19 years old	2011	12