

		Cat#	Stock Conc	Final 1x Conc	Already in DME/F12	Amt to add	Amt in 50x	in 20 50x aliquots
50x Chondrogenic Supplement								
Add to DME/F12 Hyclone SH30023.1								
	Sodium Pyruvate	VMCS GB132, Gibco 11360	100mM =11mg/ml	100µg/ml	55µg/ml	45µg/ml	2.25ml	45ml
	Glutamine	Invitrogen 25030-081	200mM	4mM	2.5mM	1.5mM	3.75ml	75ml
	L-Proline	Sigma P5607	Powder	40µg/ml	17µg/ml	40µg/ml	20mg	0.4g
	Ascorbic Acid	Sigma A8960	Powder	50µg/ml	0	50µg/ml	25mg	0.5g
	Dexamethasone		4mg/ml	100nM	0	1ml of 1:150	1ml or 6.7µl of stock	134µl
147g/mol (optional)	Calcium Chloride (dihydrate)		Powder	10mM for alginate	1.11mM	8.89mM	0.653g	13.06g
	Manganese Chloride		1M	50µM	0		250µl	5ml
							HBSS to 10ml	HBSS to 200ml Filter Sterilize