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SIGMA®

ProductInformation

Defined Medium Supplements

Product Number	Product Name	Pkg. Size	Reconstitution	Working Range	Storage	References
A 8661	d-ALDOSTERONE	5 mg	To prepare 100 µg/ml stock solution; add 5.0 ml abs. ethanol, gently swirl to dissolve, add 45 ml sterile medium.	2-10 µg/ml	powder-RT stock-frozen in working aliquots, avoid repeated freeze/thaw	1, 2, 10, 54, 55, 56
D 8893	DEXAMETHASONE	1 mg	To prepare 20 µg/ml stock solution; add 1.0 ml abs. ethanol, gently swirl to dissolve, add 49 ml sterile medium.	4-500 ng/ml	powder 2-8ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw	11, 47
D 7149	DIHYDRO-TESTOSTERONE	50 mg	To prepare 1 mg/ml stock solution; add 1.0 ml abs. ethanol, gently swirl to dissolve, add 49 ml sterile medium.	2-100 ng/ml	powder-RT stock-frozen in working aliquots, avoid repeated freeze/thaw	
E 2257	ß-ESTRADIOL	1 mg	To prepare 20 µg/ml stock solution; add 1.0 ml abs. ethanol, gently swirl to dissolve, add 49 ml sterile medium.	0.2-10 ng/ml	powder-RT stock-frozen in working aliquots, avoid repeated freeze/thaw	12, 34, 36, 42
G 3157	GLUCAGON	2 mg	To prepare 100 µg/ml stock solution; add 20 ml sterile acidified H2O (pH≤3.0), swirl to dissolve.	0.03-10 µg/ml	powder -0ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw	13
H 0135	HYDROCORTISONE	1 mg	To prepare 50 µg/ml stock solution; add 1.0 ml abs. ethanol, gently swirl to dissolve, add 19 ml sterile medium	0.004-5 µg/ml	powder-RT; stock-frozen in working aliquots, avoid repeated freeze/thaw	8, 14, 35, 36
I 1882	INSULIN	100 mg	To prepare 10 mg/ml stock solution; add 10 ml of acidified H2O (pH≤2.0) - prepared by addition of glacial acetic acid (approx. 0.1 ml).	0.001-20 µg/ml	powder -0ºC; solution stable 2-8ºC, 1 year	3, 4, 15
I 1884	INSULIN-TRANSFERRIN	25 mg, 25 mg,	To prepare a stock solution, dissolve in 5 ml sterile acidified H_2O, swirl to dissolve,	5 µg, 5 µg,	powder -0ºC; stock-frozen in working aliquots, avoid	3, 4

SODIUM SELENITE	25 μg	follow with 45 ml sterile water. Stock solution makes 5 L medium final volume.	5 ng/ml	repeated freeze/thaw; solution stable 2-8ºC, 30 days

Defined Medium Supplements continued

L 8384	LINOLEIC ACID-BOVINE SERUM ALBUMIN (LA/BSA)	500 mg	To prepare 10 mg/ml LA/BSA stock solution, add 50 ml sterile culture medium, gently swirl to dissolve.	1 mg/ml	powder 2-8ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw; solution stable 2-8ºC, 30 days	3, 27, 30, 53
L 9510	LUTEINIZING HORMONE RELEASING HORMONE	0.1 mg	To prepare 10 µg/ml stock solution; add 10 ml sterile culture medium, gently swirl to dissolve.	0.5-40 ng/ml	powder -0ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw	3, 9, 16, 39, 48
P 6149	PROGESTERONE	1.0 mg	To prepare 20 µg/ml stock solution; add 1.0 ml abs. ethanol, gently swirl to dissolve, add 49 ml sterile medium.	0.1-20 ng/ml	powder-RT stock-frozen in working aliquots, avoid repeated freeze/thaw	17, 49
P 6657	PROSTAGLANDIN D2	1.0 mg	To prepare 50 µg/ml stock solution; add 1.0 ml abs. ethanol, gently swirl to dissolve, add 19 ml sterile medium.	0.25-100 ng/ml	powder -0ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw	18, 44, 46
P 7527	PROSTAGLANDIN E1	1.0 mg	To prepare 50 µg/ml stock solution; add 1.0 ml abs. ethanol, gently swirl to dissolve, add 19 ml sterile medium.	0.25-100 ng/ml	powder -0ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw;	19, 31, 32, 43, 44, 46
P 6532	PROSTAGLANDIN E2	1.0 mg	To prepare 50 µg/ml stock solution; add 1.0 ml abs. ethanol, gently rotate to dissolve, add 19 ml sterile medium	0.25-100 ng/ml	powder -0ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw;	18, 44, 46
P 7652	PROSTAGLANDIN F2	1.0 mg	To prepare 50 µg/ml stock solution; add 1.0 ml abs. ethanol, gently swirl to dissolve, add 19 ml sterile medium.	0.25-100 ng/ml	powder -0ºC stock-frozen in working aliquots, avoid repeated freeze/thaw; solution stable 2-8ºC, 30 days	19, 33, 44, 46
P 6024	PUTRESCINE DYHROCHLORIC ACID	1.0 mg	To prepare 161.1 µg/ml (1mM) stock solution; add 6.2 ml sterile medium, gently swirl to dissolve.	16.1 µg/ml (100 mM)	powder-RT; stock-frozen in working aliquots, avoid repeated freeze/thaw; solution stable 2-8ºC, 30 days	25, 48

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S 9133	SODIUM SELENITE	1.0 mg	To prepare 20 μg/ml stock solution; add 50 ml sterile culture medium.	≤0.2 μg/ml	powder-RT; stock-frozen in working aliquots, avoid repeated freeze/thaw; solution stable 2-8ºC, 30 days	7, 24, 40, 41, 50, 52
S 0885	SOMATOSTATIN	0.02 mg	To prepare 2 μg/ml stock solution; add 10 ml sterile culture medium.	0.3-50 ng/ml	powder -0ºC stock-frozen in working aliquots, avoid repeated freeze/thaw	20
T 5641	TESTOSTERONE	1.0 mg	To prepare 20 μg/ml stock solution; add 2.0 ml abs. ethanol, gently swirl to dissolve, add 48 ml sterile medium.	20-300 ng/ml	powder-RT; stock-frozen in working aliquots, avoid repeated freeze/thaw, solution stable 2-8ºC, 30 days	3, 9, 21, 50
T 4393	THROMBIN	0.1 mg	To prepare a 10 μg/ml stock solution; add 10 ml sterile culture medium.		powder -0ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw, solution stable 2-8ºC, 30 days	6, 26
T 9146	THYROTROPIN-RELEASING HORMONE	1.0 mg	To prepare 20 μg/ml stock solution; add 50 ml sterile culture medium.	0.3-10 ng/ml	powder -0ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw, solution stable 2-8ºC, 30 days	22, 37
T 0397	L-THYROXINE	1.0 mg	To prepare 20 μg/ml stock solution; add 50 ml sterile culture medium.	5-50 ng/ml	powder -0ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw; solution stable 2-8ºC, 30 days	23, 38, 51
T 5391	TRANSFERRIN HUMAN	10 mg	To prepare 500 μg/ml stock solution; add 20 ml sterile tissue culture medium, gently swirl to dissolve.	0.5-100 μg/ml	powder 2-8ºC stock\frozen in working aliquots, avoid repeated freeze/thaw, solution stable 2-8ºC for 30 days	15, 48

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T 5516	3,3',5-TRIIODO-L-THYRONINE	1.0 mg	To prepare 20 µg/ml stock solution; add 1.0 ml 1.0 N NaOH, gently swirl to dissolve, add 49 ml sterile medium.	0.02-50 ng/ml	powder -0ºC; stock-frozen in working aliquots, avoid repeated freeze/thaw, solution stable 2-8ºC, 30 days	9, 28, 45

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