1-HMT-3522 cells medium composition

H14 Medium composition

Add to 10 mL of DMEM/F12 medium the following additives

ingredients	Stock reagents	Vol. in μl	Final conc.	Expiration	
				4° C	-20° C
Insulin	100 μg/ml	25 μl	250 ng/ml	1 mo	5 mo
Transferrin	20 mg/ml	5 μl	10 μg/ml	1 mo	3 mo
Sodium Selenite	2.6 μg/ml	10 μl	2.6 ng/ml	1 wk	1 mo
Estradiol	10^{-7} M	10 μl	10^{10} M	3 mo	6 mo
Hydrocortisone	$1.4x10^{-3}$ M	10 μl	$1.4x10^{-6}$ M	1 mo	6 mo
Prolactin	1 mg/ml (30u/ml)	50 μl	5 μg/ml	1 mo	6 mo
EGF **(S1 only)**	20 μg/ml	5 μl	10 ng/ml	2 wk	3 mo

The additives we supplement DMEM/F12 media (GibcoBRL #12400-024) with to produce H14 medium are purchased from the following vendors. Please note that EGF is only for H14 medium for S1 cells; T4-2 cells do not require EGF. The paper that describes how to made the media additives is entitled "Cell Differentiation by Extracellular Matrix Components" by R. J. Blaschke, A. R. Howlett, P. Deprez, O. W. Petersen, and M. J. Bissell, found in Methods in Enzymology 245:535-569. If you cannot obtain a copy, we can fax one to you.

Ingredients	Vendor	Catalog number
Insulin	Sigma	I-6634
Transferrin (Human)	Sigma	T-2252
Sodium Selenite	BD Bioscience	354201
Estradiol	Sigma	E-2758
Hydrocortisone	Sigma	H-0888
Prolactin	Sigma	L-6520
(or can obtain from National Institute of Diabetes and Digestive and Kidney Disease (NIDDK))		
EGF	Roche	855371