

# Thermo Scientific HyClone Classical Media

## William's E Medium Dry Powdered Media

Part Number

SH30094

	Component Description	mg/L	mmol/L
Inorganic Salts	CALCIUM CHLORIDE (ANHY)	200	1.8021
	COPPER SULFATE-5H2O	0.0001	0.0000004
	FERRIC NITRATE-9H2O	0.0001	0.0000002
	POTASSIUM CHLORIDE	400	5.3655
	MAGNESIUM SULFATE (ANHY)	97.7	0.8115
	MANGANESE CHLORIDE-4H2O	0.0001	0.000001
	SODIUM CHLORIDE	6800	116.3587
	SODIUM PHOSPHATE MONOBASIC H2O	140	1.0146
	ZINC SULFATE-7H2O	0.0002	0.000001
	DL-ALPHA TOCOPH. -PO4-2NA	0.01	0.00001
Amino Acids	L-ALANINE	90	1.0102
	L-ARGININE	50	0.2870
	L-ASCORBIC ACID	2	0.0114
	L-ASPARAGINE-H2O	20	0.1332
	L-ASPARTIC ACID	30	0.2254
	L-CYSTEINE-HCL-H2O	57.99	0.3302
	L-CYSTINE-2HCL	26.07	0.0832
	L-GLUTAMIC ACID	50	0.3398
	L-GLUTAMINE	292.3	2
	GLYCINE	50.00	0.666
	L-HISTIDINE-HCL-H2O	20.27	0.0967
	L-ISOLEUCINE	50	0.3812
	L-LEUCINE	75	0.5718
	L-LYSINE-HCL	87.46	0.4788
	L-METHIONINE	15	0.1005
	L-PHENYLALANINE	25	0.1513
	L-PROLINE	30	0.2606
	L-SERINE	10	0.0952
	L-THREONINE	40	0.3358
L-TRYPTOPHAN	10	0.049	
L-TYROSINE-2NA-2H2O	50.45	0.1932	
L-VALINE	50	0.4268	
Vitamins	D-BIOTIN	0.5	0.002
	CALCIUM D-PANTOTHENATE	1	0.0021
	CHOLINE CHLORIDE	1.5	0.0107
	FOLIC ACID	1	0.0023
	MENADIONE	0.01	0.0001
	MYO-INOSITOL	2	0.0111
	NIACINAMIDE	1	0.0082
	PYRIDOXAL HYDROCHLORIDE	1	0.0049
	RIBOFLAVIN	0.1	0.0003
	THIAMINE-HCL	1	0.003
	VITAMIN A ACETATE	0.1	0.0003
	VITAMIN B12	0.2	0.0001
	VITAMIN D2-ERGOCALCIFEROL	0.1	0.0003
Other	D-GLUCOSE (ANHY)	2000.00	11.1012
	L-GLUTATHIONE (REDUCED)	0.05	0.0002
	METHYL LINOLEATE	0.03	0.0001
	PHENOL RED-NA	10.62	0.0282
	SODIUM PYRUVATE	25.00	0.2272
	SODIUM BICARBONATE	Add 2200	Add 26.1874

Cell Culture & BioProcessing

925 West 1800 South  
Logan, UT  
84321

In Americas/Asia  
435-792-8000  
435-792-8001 fax

In Europe  
+32 53 85 71 80  
+32 53 85 74 31 fax

[www.thermo.com/hyclone](http://www.thermo.com/hyclone)

**Thermo**  
SCIENTIFIC

Part of Thermo Fisher Scientific