

# Thermo Scientific HyClone Classical Media

## Minimum Essential Medium Liquid Media

Part Number		SH30024 SH30310		SH30235 Suspension		SH30244	
Component Description		mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L
Inorganic Salts	CALCIUM CHLORIDE (ANHY)	200	1.8021	0	0	200	1.8021
	POTASSIUM CHLORIDE	400	5.3655	400	5.3655	400	5.3655
	MAGNESIUM SULFATE (ANHY)	97.67	0.8112	0	0	97.67	0.8112
	MAGNESIUM CHLORIDE-6H2O	0	0	0	0	0	0
	MAGNESIUM SULFATE HEPTAHYDRATE	0	0	0	0	0	0
	SODIUM CHLORIDE	6800	116.3587	6800	116.3587	6800	116.3587
	SODIUM PHOSPHATE MONOBASIC H2O	140	1.0146	1400	10.0146	140	1.0146
	FERRIC CHLORIDE X 6H2O	0	0	0	0	0	0
	ZINC SULFATE-7H2O	0	0	0	0	0	0
	LINOLEIC ACID	0	0	0	0	0	0
Amino Acids	L-ALANINE	0	0	0	0	0	0
	L-ARGININE-HCL	126.98	0.6028	126.98	0.6028	126.98	0.6028
	L-ASPARAGINE-H2O	0	0	0	0	0	0
	L-ASPARTIC ACID	0	0	0	0	0	0
	L-CYSTEINE-HCL-H2O	0	0	0	0	0	0
	L-CYSTINE-2HCL	31.28	0.0999	31.28	0.0999	31.28	0.0999
	L-GLUTAMIC ACID	0	0	0	0	0	0
	L-GLUTAMINE	292	1.9979	292	1.9979	0	0
	GLYCINE	0	0	0	0	0	0
	L-HISTIDINE-HCL-H2O	41.88	0.1998	41.88	0.1998	41.88	0.1998
	L-ISOLEUCINE	52	0.3964	52	0.3964	52	0.3964
	L-LEUCINE	52	0.3964	52	0.3964	52	0.3964
	L-LYSINE-HCL	72.47	0.3968	72.47	0.3968	72.47	0.3968
	L-METHIONINE	15	0.1005	15	0.1005	15	0.1005
	L-PHENYLALANINE	32	0.1937	32	0.1937	32	0.1937
	L-PROLINE	0	0	0	0	0	0
	L-SERINE	0	0	0	0	0	0
	L-THREONINE	48	0.403	48	0.403	48	0.403
	L-TRYPTOPHAN	10	0.049	10	0.049	10	0.049
	L-TYROSINE-2NA-2H2O	51.9	0.1987	51.9	0.1987	51.9	0.1987
L-VALINE	46	0.3927	46	0.3927	46	0.3927	
Vitamins	L-ASCORBIC ACID	0	0	0	0	0	0
	D-BIOTIN	0	0	0	0	0	0
	CALCIUM D-PANTOTHENATE	1	0.0021	1	0.0021	1	0.0021
	CHOLINE CHLORIDE	1	0.0072	1	0.0072	1	0.0072
	FOLIC ACID	1	0.0023	1	0.0023	1	0.0023
	MYO-INOSITOL	2	0.0111	2	0.0111	2	0.0111
	NIACINAMIDE	1	0.0082	1	0.0082	1	0.0082
	PYRIDOXAL HYDROCHLORIDE	1	0.0049	1	0.0049	1	0.0049
	PYRIDOXINE-HCL	0	0	0	0	0	0
	RIBOFLAVIN	0.1	0.0003	0.1	0.0003	0.1	0.0003
	THIAMINE-HCL	1	0.003	1	0.003	1	0.003
	VITAMIN B12	0	0	0	0	0	0
	PUTRESCINE-2HCL	0	0	0	0	0	0
	Other	ADENOSINE	0	0	0	0	0
CYTIDINE		0	0	0	0	0	0
D-GLUCOSE (ANHY)		1000	5.5506	1000	5.5506	1000	5.5506
GUANOSINE		0	0	0	0	0	0
DL-ALPHA-LIPOIC ACID		0	0	0	0	0	0
PHENOL RED-NA		11	0.0292	11	0.0292	11	0.0292
SODIUM PYRUVATE		0	0	0	0	0	0
THYMIDINE		0	0	0	0	0	0
2'-Deoxyadenosine H2O		0	0	0	0	0	0
2'-Deoxycytidine HCl		0	0	0	0	0	0
2'-Deoxyguanosine		0	0	0	0	0	0
URIDINE		0	0	0	0	0	0
SODIUM BICARBONATE		2200	26.1874	2200	26.1874	2200	26.1874

# Thermo Scientific HyClone Classical Media

## Minimum Essential Medium Liquid Media

Part Number	SH30318		SH30600		SH30601		
Component Description	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L	
Inorganic Salts	CALCIUM CHLORIDE (ANHY)	200	1.8021	200	1.8021	200	1.8021
	POTASSIUM CHLORIDE	400	5.3655	400	5.3655	400	5.3655
	MAGNESIUM SULFATE (ANHY)	97.67	0.8112	0	0	0	0
	MAGNESIUM CHLORIDE-6H2O	0	0	183	0.9001	183	0.9001
	MAGNESIUM SULFATE HEPTAHYDRATE	0	0	25	0.1014	25	0.1014
	SODIUM CHLORIDE	6800	116.3587	6800	116.3587	6800	116.3587
	SODIUM PHOSPHATE MONOBASIC H2O	140	1.0146	150	1.087	150	1.087
	FERRIC CHLORIDE X 6H2O	0	0	0.54	0.002	0.54	0.002
	ZINC SULFATE-7H2O	0	0	0.14	0.0005	0.14	0.0005
	LINOLEIC ACID	0	0	0.09	0.0003	0.09	0.0003
Amino Acids	L-ALANINE	0	0	0	0	0	0
	L-ARGININE-HCL	126.98	0.6028	127	0.6029	127	0.6029
	L-ASPARAGINE-H2O	0	0	60	0.3997	60	0.3997
	L-ASPARTIC ACID	0	0	0	0	0	0
	L-CYSTEINE-HCL-H2O	0	0	0	0	0	0
	L-CYSTINE-2HCL	31.28	0.0999	31.28	0.0999	31.28	0.0999
	L-GLUTAMIC ACID	0	0	0	0	0	0
	L-GLUTAMINE	0	0	292	1.9979	292	1.9979
	GLYCINE	0	0	0	0	0	0
	L-HISTIDINE-HCL-H2O	41.88	0.1998	42	0.2004	42	0.2004
	L-ISOLEUCINE	52	0.3964	52	0.3964	52	0.3964
	L-LEUCINE	52	0.3964	131.2	1.0002	131.2	1.0002
	L-LYSINE-HCL	72.47	0.3968	72.6	0.3975	72.6	0.3975
	L-METHIONINE	15	0.1005	15	0.1005	15	0.1005
	L-PHENYLALANINE	32	0.1937	32	0.1937	32	0.1937
	L-PROLINE	0	0	0	0	0	0
	L-SERINE	0	0	42	0.3997	42	0.3997
	L-THREONINE	48	0.403	48	0.403	48	0.403
	L-TRYPTOPHAN	10	0.049	10	0.049	10	0.049
	L-TYROSINE-2NA-2H2O	51.9	0.1987	51.9	0.1987	51.9	0.1987
L-VALINE	46	0.3927	46	0.3927	46	0.3927	
Vitamins	L-ASCORBIC ACID	0	0	0	0	0	0
	D-BIOTIN	0	0	0.1	0.0004	0.1	0.0004
	CALCIUM D-PANTOTHENATE	1	0.0021	1	0.0021	1	0.0021
	CHOLINE CHLORIDE	1	0.0072	56	0.4011	56	0.4011
	FOLIC ACID	1	0.0023	2.2	0.0158	2.2	0.0158
	MYO-INOSITOL	2	0.0111	36	0.2578	36	0.2578
	NIACINAMIDE	1	0.0082	1	0.0082	1	0.0082
	PYRIDOXAL HYDROCHLORIDE	1	0.0049	0	0	0	0
	PYRIDOXINE-HCL	0	0	1	0.0048	1	0.0048
	RIBOFLAVIN	0.1	0.0003	0.1	0.0003	0.1	0.0003
	THIAMINE-HCL	1	0.003	1	0.003	1	0.003
	VITAMIN B12	0	0	1.36	0.001	1.36	0.001
	PUTRESCINE-2HCL	0	0	0.16	0.001	0.16	0.001
	Other	ADENOSINE	0	0	0	0	0
CYTIDINE		0	0	0	0	0	0
D-GLUCOSE (ANHY)		1000	5.5506	2000	16.7898	2000	16.7898
GUANOSINE		0	0	0	0	0	0
DL-ALPHA-LIPOIC ACID		0	0	0.2	0.001	0.2	0.001
PHENOL RED-NA		11	0.0292	0	0	10	0.0266
SODIUM PYRUVATE		0	0	110	0.9996	110	0.9996
THYMIDINE		0	0	0	0	0	0
2'-Deoxyadenosine H2O		0	0	0	0	0	0
2'-Deoxycytidine HCl		0	0	0	0	0	0
2'-Deoxyguanosine		0	0	0	0	0	0
URIDINE		0	0	0	0	0	0
SODIUM BICARBONATE		2200	26.1874	2200	26.1874	2200	26.1874

# Thermo Scientific HyClone Classical Media

## Minimum Essential Medium Liquid Media

Part Number	SH30265 (Alpha Mod.)		SH30568 (Alpha Mod.)		SH30603 Suspension	
	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L
<b>Inorganic Salts</b>						
CALCIUM CHLORIDE (ANHY)	200	1.8021	265	1.8026	0	0
POTASSIUM CHLORIDE	400	5.3655	400	5.3655	400	5.3655
MAGNESIUM SULFATE (ANHY)	97.67	0.8112	0.00	0.00	0.00	0.00
MAGNESIUM CHLORIDE-6H2O	0	0	0	0	0	0
MAGNESIUM SULFATE HEPTAHYDRATE	0	0	200	0.8114	0	0
SODIUM CHLORIDE	6800	116.3587	6800	116.3587	6800	116.3587
SODIUM PHOSPHATE MONOBASIC H2O	140	1.0146	140	1.0146	140	1.0146
FERRIC CHLORIDE X 6H2O	0	0	0	0	0	0
ZINC SULFATE-7H2O	0	0	0	0	0	0
LINOLEIC ACID	0	0	0	0	0	0
<b>Amino Acids</b>						
L-ALANINE	25	0.2806	25	0.2806	0	0
L-ARGININE-HCL	126.98	0.6028	126.4	0.0622	126.98	0.6028
L-ASPARAGINE-H2O	50	0.333	50	0.333	0	0
L-ASPARTIC ACID	30	0.2254	30	0.2254	0	0
L-CYSTEINE-HCL-H2O	100	0.5693	100	0.5693	0	0
L-CYSTINE-2HCL	31.28	0.0999	24	0.3197	31.28	0.0999
L-GLUTAMIC ACID	75	0.5098	75	0.5098	0	0
L-GLUTAMINE	292	1.9979	0	0	0	0
GLYCINE	50	0.666	50	0.666	0	0
L-HISTIDINE-HCL-H2O	41.88	0.1998	42	0.2004	41.88	0.1998
L-ISOLEUCINE	52.5	0.4002	52.4	0.3995	52	0.3964
L-LEUCINE	52.4	0.3995	52.4	0.3995	52	0.3964
L-LYSINE-HCL	72.47	0.3968	73	0.3997	72.47	0.3968
L-METHIONINE	15	0.1005	15	0.1005	15	0.1005
L-PHENYLALANINE	32	0.1937	33	0.1998	32	0.1937
L-PROLINE	40	0.3474	40	0.3474	0	0
L-SERINE	25	0.2379	25	0.2379	25	0.2379
L-THREONINE	48	0.403	47.6	0.3996	48	0.403
L-TRYPTOPHAN	10	0.049	10.2	0.0499	10	0.049
L-TYROSINE-2NA-2H2O	51.9	0.1987	36.2	0.1386	51.9	0.1987
L-VALINE	46	0.3927	46.8	0.3995	46	0.3927
<b>Vitamins</b>						
L-ASCORBIC ACID	50	0.2839	50	0.2839	0	0
D-BIOTIN	0.1	0.0004	0.1	0.0004	0	0
CALCIUM D-PANTOTHENATE	1	0.0021	1	0.0021	1	0.0021
CHOLINE CHLORIDE	1	0.0072	1	0.0072	1	0.0072
FOLIC ACID	1	0.0023	1	0.0023	1	0.0023
MYO-INOSITOL	2	0.0111	2	0.0111	2	0.0111
NIACINAMIDE	1	0.0082	1	0.0082	1	0.0082
PYRIDOXAL HYDROCHLORIDE	1	0.0049	0	0	1	0.0049
PYRIDOXINE-HCL	0	0	1	0.0049	0	0
RIBOFLAVIN	0.1	0.0003	0.1	0.0003	0.1	0.0003
THIAMINE-HCL	1	0.003	1	0.003	1	0.003
VITAMIN B12	1.36	0.001	1.33	0.001	0	0
PUTRESCINE-2HCL	0	0	0	0	0	0
<b>Other</b>						
ADENOSINE	10	0.0374	0	0	0	0
CYTIDINE	10	0.0411	0	0	0	0
D-GLUCOSE (ANHY)	1000	5.5506	1000	5.5506	1000	5.5506
GUANOSINE	10	0.0353	0	0	0	0
DL-ALPHA-LIPOIC ACID	0.2	0.001	0.2	0.001	0	0
PHENOL RED-NA	11	0.0292	10	0.0266	11	0.0292
SODIUM PYRUVATE	110	0.9996	110	0.9996	0	0
THYMIDINE	10	0.0413	0	0	0	0
2'-Deoxyadenosine H2O	10	0.0371	0	0	0	0
2'-Deoxycytidine HCl	11	0.0417	0	0	0	0
2'-Deoxyguanosine	10	0.0351	0	0	0	0
URIDINE	10	0.041	0	0	0	0
SODIUM BICARBONATE	2200	26.1874	2200	26.1874	2200	26.1874