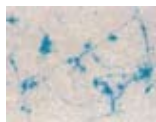




Key products for neural stem cell (NSC) culture

NEUROBASAL™ Medium

Cat. no. 21103-049 (500 ml)



Basal medium for neuronal cell culture:

- Formulated to meet special requirements of neuronal cells
- Allows long-term normal phenotype maintenance and neuronal cell growth
- Maintains pure neuronal cell populations without the need for an astrocyte feeder layer
- Use for long-term growth of fetal hippocampal and other neurons of the CNS and PNS

Serum-free supplements

B-27 Cat. no. 17504-044 (10 ml), N-2 Cat. no. 17502-048 (5 ml),
G-5 Cat. no. 17503-012 (1 ml)

Serum-free supplements for NEUROBASAL™ Medium:

- B-27—Serum-free supplement for growth and long-term viability of hippocampal neurons
- N-2—Serum-free supplement for growth of primary embryonic neurons and embryonic neurospheres/CNS progenitor cells
- G-5—Serum-free supplement for growth and expression of glial cells (normal and tumor) of astrocytic phenotype

Culture media and salt solutions

D-PBS without calcium and magnesium or phenol red 14190-144 (500 ml)	DMEM, contains 4,500 mg/L D-glucose, without L-glutamine and sodium pyruvate 11960-044 (500 ml)	Fetal Bovine Serum, ES cell-qualified (US) 16141-061 (100 ml) 16141-079 (500 ml)	Fetal Bovine Serum, ES cell-qualified (USDA) 10439-016 (100 ml) 10439-024 (500 ml)
D-PBS with calcium and magnesium, but no phenol red 14040-133 (500 ml)	KnockOut™ Serum Replacement 10828-028 (500 ml)	IMDM with L-glutamine, 25 mM HEPES buffer, and 3,024 mg/L sodium bicarbonate, but no α -thioglycerol or β -mercaptoethanol 12440-053 (500 ml)	

Culture reagents

L-glutamine-200 mM (100X) 25030-081 (100 ml)	Antibiotic-Antimycotic (100X) 15240-062 (100 ml)	GlutaMAX™-I Supplement (stable form of L-glutamine) 35050-061 (100 ml)
Penicillin-Streptomycin 15070-063 (100 ml)	HEPES Buffer Solution (1 M) 15630-080 (100 ml)	Insulin-Transferrin-Selenium-G Supplement (100X) 41400-045 (10 ml)
β -Mercaptoethanol (1,000X) 21985-023 (50 ml)	MEM Non-essential Amino Acids Solution 10 mM (100X) 11140-050 (100 ml)	TrypLE™ Select (1X) (animal origin-free) 12563-011 (100 ml)

Growth factors

FGF-BASIC (full length) REC HU PHG0264 (10 μ g)	BMP-2 REC HU PHC7094 (10 μ g)	BMP-7 REC HU PHC7104 (10 μ g)	B-DNF REC HU PHC7074 (10 μ g)
IGF-I REC HU PHG9074 (10 μ g)	G-DNF REC HU PHC7045 (10 μ g)	NT-3 REC HU PHC7034	NT-4 REC HU PHC7024
NAT HU FIBRONECTIN PHE0023 (1 mg)	Insulin REC HU 12585-014 (5 ml)	Neurturin REC HU PHC7064 (10 μ g)	CNTF REC HU PHC7015 (20 μ g)

Antibodies

NeuroD1 487500	GLAST-1 42-8100	Olig3 42-3600	Isl1 48-1500
Nucleostemin 48-1800	MAT1 48-2000	CD56 07-5603	MAP2 13-1500
GFAP 18-0021	SOX-9 [pS181] 44-440	Doublecortin 48-1200	Myelin Basic Protein 18-0038

Invitrogen provides more than 1,200 products and services tailored to stem cell research spanning isolation, characterization, expansion, and differentiation. For a complete review of Invitrogen stem cell technologies and services, visit www.invitrogen.com/stemcell.

