

StemBoost™ Reprogramming Cocktail, VCRFBI (100X)

Cat #	Component#1	Component#2
S246-1	S246-1-1 (50 mM VPA solution, 1 x 1 ml)	S246-1-2 (Cocktail solution, 1 x 1 ml)
S246-set	S246-1-1 (50 mM VPA solution, 5 x 1 ml)	S246-1-2 (Cocktail solution, 5 x 1 ml)

FORM: Liquid

STORAGE: -20 °C. Hygroscopic

DESCRIPTION: StemBoost™ Reprogramming Cocktail, VCRFBI (100X), is a convenient, sterile-filtered cocktail solution (100X, in DMSO) containing the following five small molecules: CHIR99021 (Cat. No. 1677), a GSK-3 β inhibitor, 300 μ M; RepSox (Cat. No. 1894), a TGF β inhibitor, 0.1 mM; Forskolin (Cat. No. 1531), a cAMP activator, 1.0 mM; I-BET151 (Cat. No. 2220), a BET bromodomain inhibitor, 200 μ M; ISX9 (Cat. No. 2563), a neurogenic differentiation inducer, 1 mM. Also provided separately is a sterile-filtered solution (100X, in DI water) of the HDAC inhibitor Valproic Acid Sodium Salt (Cat. No. 1647), (50 MM).

Product	Cat. No.	Concentration (100X)	Component part#
Valproic acid, Sodium Salt	1647	50 mM	S246-1-1 (H₂O)
CHIR99021	1677	300 μ M	S246-1-2 (DMSO)
RepSox	1894	100 μ M	
Forskolin	1531	1 mM	
I-BET151	2220	200 μ M	
ISX-9	2563	1 mM	

REFERENCES: Gao, L., *et al.* (2017). *Stem Cell Reports* **8**, 538-547.

RELATED PRODUCTS:

DiscoveryPak™ Stem Cell Fate Regulator Set I (Cat. No. K852-3)
DiscoveryPak™ Stem Cell Fate Regulator Set II (Cat. No. K853-8)
DiscoveryPak™ Stem Cell Fate Regulator Set III (Cat. No. K854-3)
DiscoveryPak™ Stem Cell Fate Regulator Set IV (Cat. No. K855-3)
DiscoveryPak™ Stem Cell Fate Regulator Set V (Cat. No. K865-5)
DiscoveryPak™ Stem Cell Fate Regulator Set VI (Cat. No. K866-5)
DiscoveryPak™ Stem Cell Fate Regulator Set VII (Cat. No. K867-10)
DiscoveryPak™ Stem Cell Fate Regulator Set VIII (VC6T) (Cat. No. K887-4)
(\pm) –Bay K 8644 (Cat. No. 1682-5)
BIX01294 (Cat. No. 1678-5, 25)
CHIR99021 (Cat. No. 1677-5, 25)
EZSolution™ CHIR99021 (Cat. No. 1748-5)
PD0325901 (Cat. No. 1643-2)
PS-48 (Cat. No. 1869-5)
Pyrintegrin (Cat. No. 1729-1,5)
EZSolution™ Pyrintegrin (Cat. No. 1737-1)
RepSox (Cat. No. 1894-5, 25)
Reversine (Cat. No. 1851-1, 5)
RG 108 (Cat. No. 1679-10,30)
SB-431542 (Cat. No. 1674-1)



EZSolution™ **SB-431542 (Cat. No. 1872-1)**
Sodium Butyrate **(Cat. No. 1609-100, 1000)**
Thiazovivin **(Cat. No. 1681-1,5)**
EZSolution™ Thiazovivin **(Cat. No. 1736-1)**
Tranylcypromine Hemisulfate (Parnate) **(Cat. No. 1816-25,100)**
Valproic Acid, Sodium Salt **(Cat. No. 1647-200)**
Y-27632,2 HCl **(Cat. No. 1596-1, 5, 50)**
EZSolution™ Y-27632, HCl **(Cat. No. 1784-5)**

FOR RESEARCH USE ONLY! Not to be used on humans.