

## StemBoost™ iN (induced Neuron) Conversion Cocktail, ZAPK

**CATALOG #:** S250-1 1 ml  
S250-5 5 ml  
S250-set 5 x 1 ml

**STORAGE:** Store at -20°C. Protect from light.

**DESCRIPTION:** StemBoost™ Reprogramming Cocktail ZAPK is a Small Molecule Cocktail of 4 modulators in DMSO solution that acts as an iN (induced neuron) conversion medium. This medium reliably boosts iN conversion of young and old fibroblasts into epigenetically age-equivalent iNs. The four modulators are shown in the following table:

Product	Cat. No.	Concentration (100X)	Target
ZM-3363372	1789	175 µM	c-Raf inhibitor
AZ-960	B2065	100 µM	JAK1/2 inhibitor
Pyrintegrin	1729	1 mM	Integrin activator
KC7F2	9641	7.5 mM	HIF1α inhibitor

**REFERENCES:** Herdy, J., et al. (2019). *eLife*. 2019; 8: e41356.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### 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**)  
StemBoost™ Reprogramming Cocktail, SMC4 (**S231**)  
StemBoost™ Reprogramming Cocktail, VCRFBI (**S246**)  
StemBoost™ Reprogramming Cocktail, SLCD (**S245**)  
StemBoost™ Neural Stem Cell Reprogramming Cocktail (**S238**)  
StemBoost™ Neural Fate Reprogramming Cocktail FICB (**S244**)

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**)

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