

## StemBoost™ YPAC Cocktail Set (1000X), Sterile-Filtered

**CATALOG #:** K871-1ML 1 ml  
K871-5ML 5 ml  
K871-set 5 x 1 ml

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

**DESCRIPTION:** A convenient, sterile-filtered cocktail solution (in DMSO) containing four signaling inhibitors YPAC (Y-27632, a ROCK inhibitor, PD0325901, a MEK Inhibitor, A83-01, a ALK5 inhibitor and CHIR99021, a GSK-3β inhibitor), useful for maintaining the pluripotency of embryonic stem cells (ESCs). The individual concentrations of these four products are shown in the following table:

Product	Cat. No.	Concentration in the vial (1000X)
Y-27632, 2 HCl	1596	10.0 mM
PD0325901	1643	1.0 mM
A83-01	1725	0.5 mM
CHIR99021	1677	3.0 mM

**REFERENCES:** Kawamata, M., and Ochiya, T. (2010). *Proc. Natl. Acad. Sci. USA* **107**, 14223-14228

**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. K866-10)
- (±) –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)
- StemBoost™ Reprogramming Cocktail Set I (Cat. No. K869-1ML, 5ML, 1set)
- StemBoost™ Reprogramming Cocktail Set II (Cat. No. K870-1ML, 5ML, 1set)
- Thiazovivin (Cat. No. 1681-1,5)
- EZSolution™ Thiazovivin (Cat. No. 1736-1)
- Tranlycypromine 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.**