

Data Sheet (18.06.2010)

**Nco I**      5' ...**CCATGG**...3'  
3' ...**GGTACC**...5'

Source: *Nocardia corallina*

Cat.-No.	Size	Conc.
mi-E0123S	600 units	10 u/μl
mi-E0123L	3,000 units	10 u/μl

**Buffer supplied: 10x B3\* (incl. BSA)**

**BSA is now already included into the buffer without any loss of performance!**

**Substrate for unit definition:** λ DNA (4 sites)

**Reaction conditions:**

100 mM NaCl, 50 mM Tris-HCl (pH 7.9), 10 mM MgCl<sub>2</sub>, 1 mM DTT, 0.02 % Triton X-100, 100 μg/ml BSA.  
Incubate at **37 °C**.

**Storage buffer:**

50 mM KCl, 10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1 mM dithiothreitol, 200 μg/ml BSA, and 50 % glycerol.

**Ligation and recutting:**

After 10-fold overdigestion with *Nco* I, > 95 % of the DNA fragments can be ligated and recut with this enzyme.

**Star activity:**

Conditions of high enzyme concentration or glycerol concentration > 5 % may result in star activity.

**Heat inactivation:** 65°C for 20 minutes