



Data Sheet (18.06.2010)

**Mbo I**      5' ...**NGATCN**...3'  
3' ...**NCTAGN**...5'

**Source:** A *Streptomyces* sp. strain that carries the cloned *Mbo I* gene from *Moraxella bovis*

Cat.-No.	Size	Conc.
mi-E0120S	300 units	10 u/μl
mi-E0120L	1,500 units	10 u/μl

**Buffer supplied: 10x Mbo I (incl. BSA)**

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

**Substrate for unit definition:** λ DNA *dam*<sup>-</sup> (116 sites)

**Reaction conditions:**

50 mM NaCl, 10 mM Tris-HCl (pH 7.3), 10 mM MgCl<sub>2</sub>, 1 mM dithiothreitol, 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.

Store at -20 °C. Avoid warming to 0 °C or higher.

**Under these storage conditions, a guarantee of 12 months after delivery is given.**

**Ligation and recutting:**

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

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