

Data Sheet (18.06.2010)

# Alu I



Source: *Arthrobacter luteus*

Cat.-No.	Size	Conc.
mi-E0101S	600 units	10 u/μl
mi-E0101L	3,000 units	10 u/μl

**Buffer supplied: 10x B1 (incl. BSA)**

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

**Substrate for unit definition:** λ DNA (143 sites)

**Reaction conditions:**

10 mM Tris-HCl (pH 7.9), 10 mM MgCl<sub>2</sub>, 1 mM dithiothreitol, 100 μg/ml BSA.

Incubate at **37 °C**.

**Storage buffer:**

100 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 *Alu I*, >95 % of the DNA fragments can be ligated and recut with this enzyme.

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