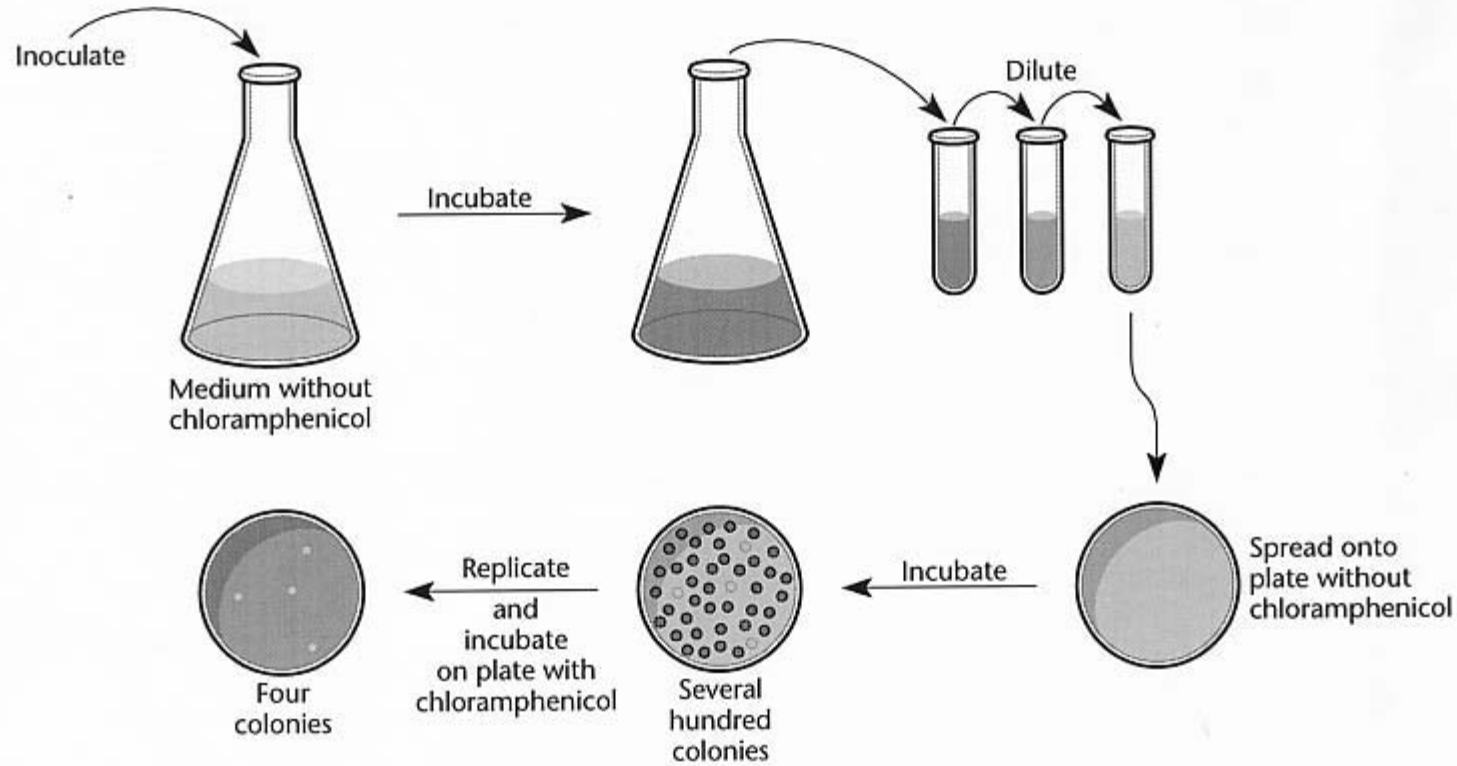


**Figure 4.15**



**Table 4.3**

TABLE 4.3 Replication origins of several <i>E. coli</i> plasmid vectors		
Plasmid	<i>ori</i>	Copy number
pBR322	pMB1	15–20
pUC vectors	pMB1 mutant	100s
pET vectors	pMB1 mutant	100s
pBluescript	pMB1 mutant	100s
pACYC184	p15A	10–12
pSC101	pSC101	5

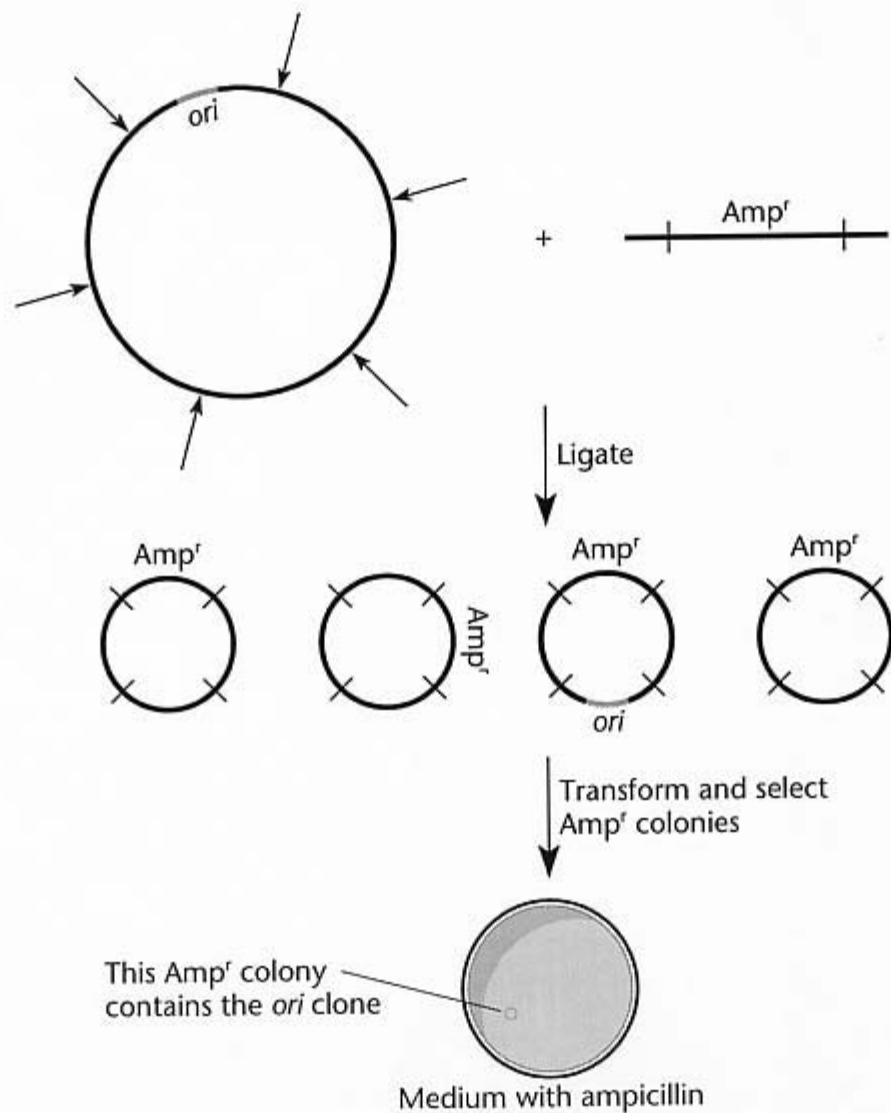
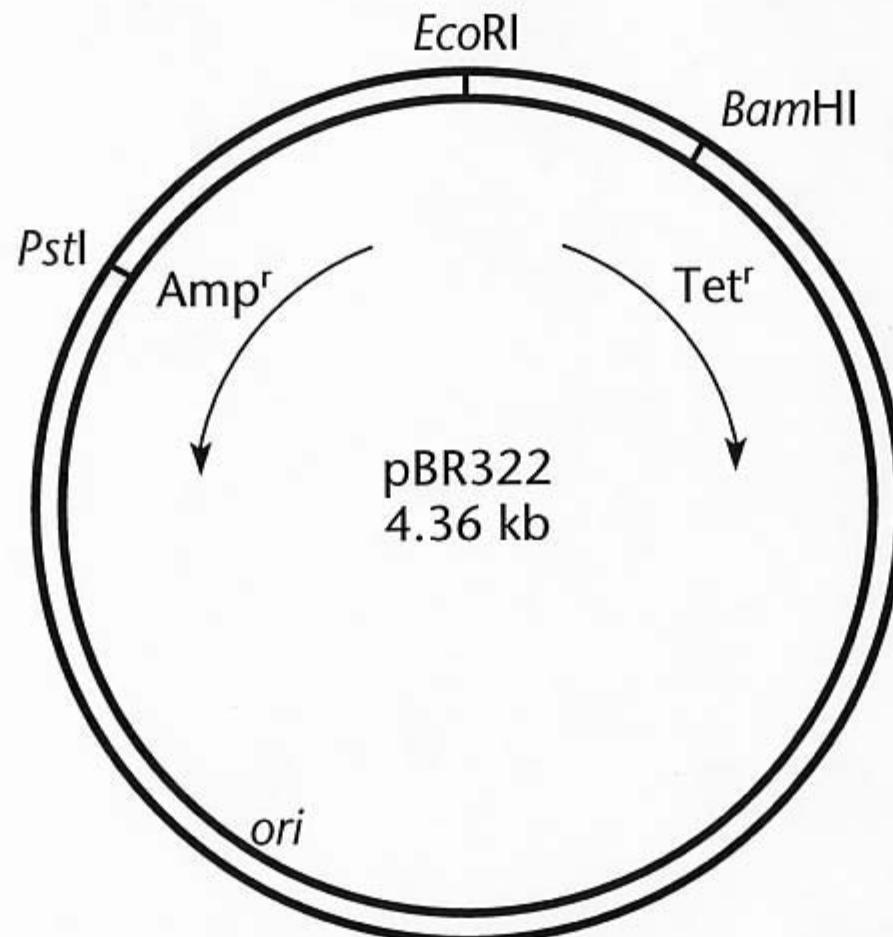
**Figure 4.16**



Figure 4.17



**Figure 4.18**

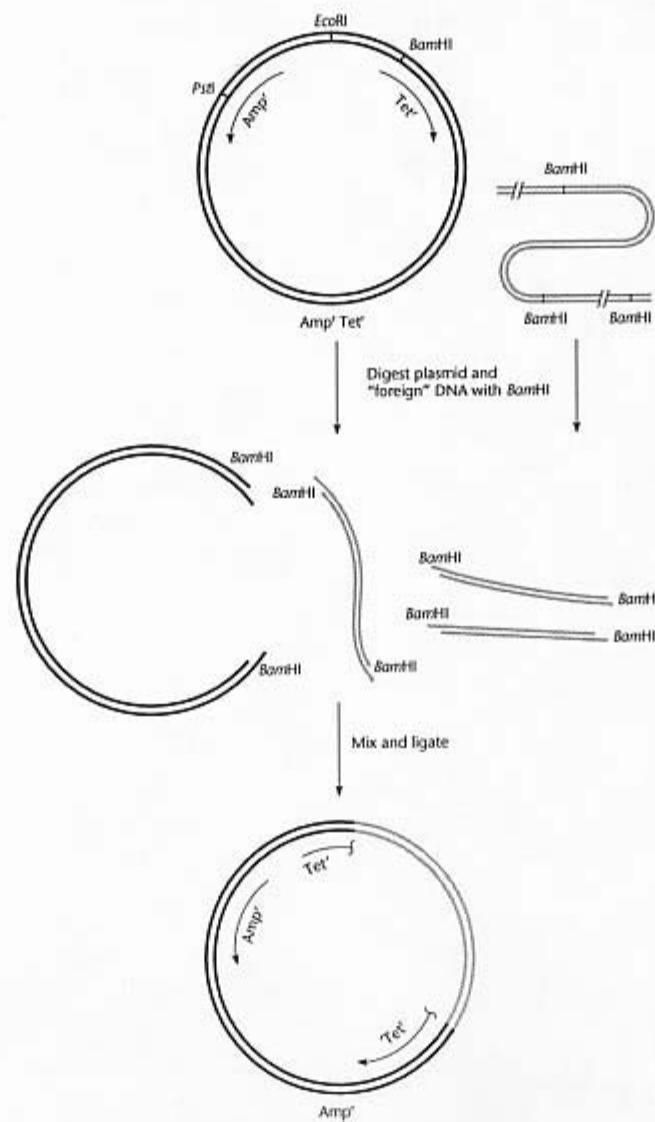
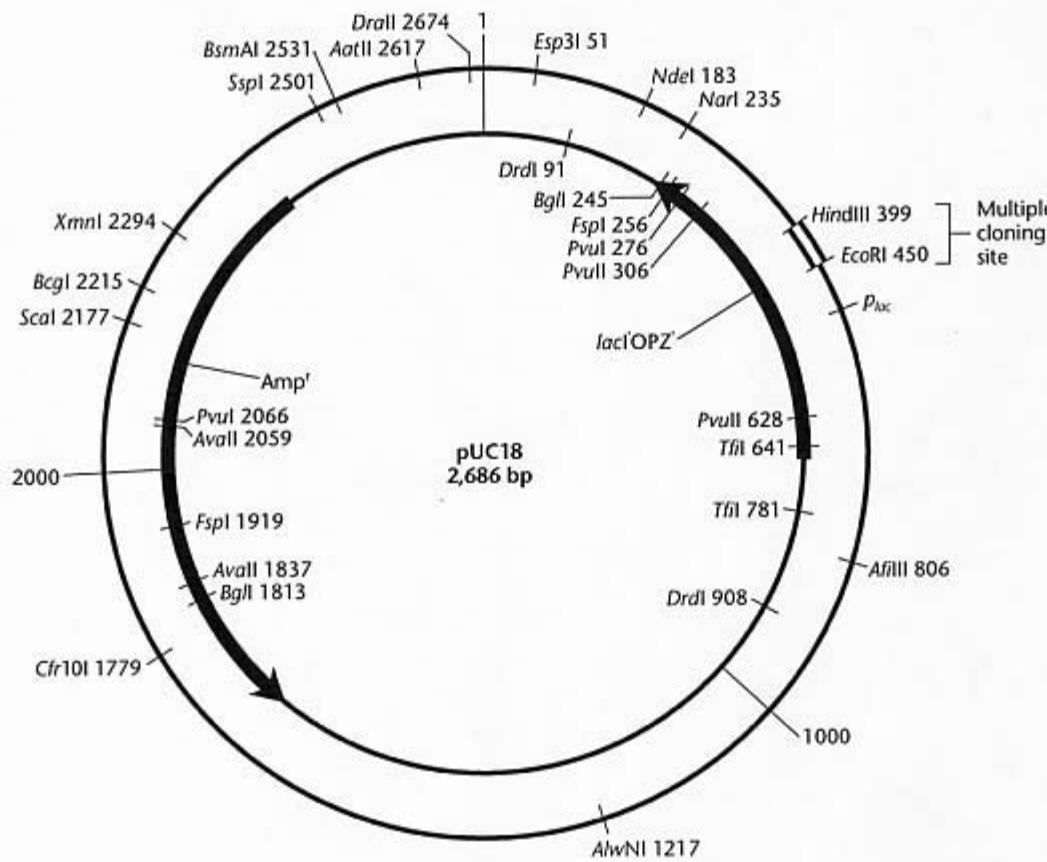


Figure 4.19



pUC18 multiple cloning site and primer binding regions: 364–480

M13/pUC forward sequencing primer: 5'-GT AAAACGACGG CCAGT-3'

M13/pUC forward 23-base sequencing primer: 5'-CCCAGTC ACGACGTTGT AAAACGACGG CCAGTGCCTA GCTTGATGC

T7/T3α sequencing primer: 5'-GTACCACTAT CGACAA-3'

Enzyme cleavage sites: HindIII, SphI, PstI, SalI, XbaI, BamHI, KpnI, SstI, BpuMI, XbaI, SmaI, EcoRI.

Primer locations: 400 bp (M13/pUC forward sequencing primer), 450 bp (T7/T3α sequencing primer), 450 bp (α-Peptide start).

Restriction sites: DrdI 2674, SspI 2501, BsmAI 2531, XbaI 2294, BglI 2215, Scal 2177, Pvul 2066, Avall 2059, FspI 1919, Avall 1837, BglI 1813, DrdI 91, BglI 245, FspI 256, Pvul 276, Pvull 306, Esp3I 51, NdeI 183, Narl 235, DrdI 908, Tfl 641, Tfl 781, AfllI 806, AlwNI 1217, and Esp3I 1.

Marker genes: *lacZ*'OPZ' (at ~1500 bp), *Amp<sup>r</sup>* (at ~2000 bp), and *T<sub>R</sub>* (at ~2500 bp).

**Figure 4.20**

