

## The Highest Efficiency Packaging of DNA for Genomic and cDNA Library Construction Using MaxPlax™ Lambda Packaging Extracts

Producing complete primary genomic or cDNA libraries requires use of lambda packaging extracts with the highest possible efficiency. EPICENTRE's MaxPlax™ Lambda Packaging Extracts provide the maximum *in vitro* packaging efficiencies of both methylated and unmethylated DNA for lambda or cosmid library production.

### MaxPlax™ Lambda Packaging Extracts:

- **Have high packaging efficiency.** 1-3 X 10<sup>9</sup> pfu/μg of DNA using lambda DNA and >3 x 10<sup>7</sup> cfu/μg for cosmid clones (Table 1).
- **Package methylated DNA as efficiently as unmethylated DNA.** Successful construction of lambda or cosmid genomic libraries from higher eukaryotes (i.e. highly methylated DNA) requires use of lambda packaging extracts devoid of restriction activities (e.g. *Mcr* and *Mrr*) that specifically digest the methylated DNA. EPICENTRE's MaxPlax™ Lambda Packaging Extracts are derived from *E. coli* BHB2688 and a restriction-minus K-12 strain, NM759 to maximize the size of your genomic library. MaxPlax™ Extracts package highly methylated DNA as efficiently as unmethylated DNA (Table 1).
- **Are individually dispensed extracts.** Just add the substrate DNA (in a volume of 1-10 μl) to the packaging reaction.
- **Are available now.** Don't let product backorders slow your research. MaxPlax™ Lambda Packaging Extracts are never on backorder.
- **Are the best value in lambda and cosmid packaging.** Compare our efficiency. Compare our price. You'll agree that MaxPlax™ Lambda Packaging Extracts are the best value in lambda and cosmid packaging.

**Table 1. Packaging of cosmid clones containing methylated and unmethylated T7 DNA using MaxPlax™ Lambda Packaging Extracts.**

| Cosmid            | Plaques per plate | Pfu/μg DNA            |
|-------------------|-------------------|-----------------------|
| T7 DNA            | 140               | 3.5 x 10 <sup>7</sup> |
| Methylated T7 DNA | 155               | 3.9 x 10 <sup>7</sup> |

### MaxPlax™ Lambda Packaging Extract

*The best value in lambda and cosmid packaging*

|            |             |
|------------|-------------|
| MP5105-F72 | 5 Extracts  |
| MP5110-F72 | 10 Extracts |
| MP5120-F72 | 20 Extracts |

*Each contains Extracts (individually dispensed), Control Lambda DNA, Control E. coli host cells.*

**Extracts are available in bulk quantity.  
Please inquire.**

See the center insert for more information about **pWEB::TNC™ Deletion Cosmid Cloning Kit**; a complete kit, including MaxPlax™ Extracts, for cosmid cloning and library production.

## EPICENTRE TECHNOLOGIES

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### EPICENTRE FORUM

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