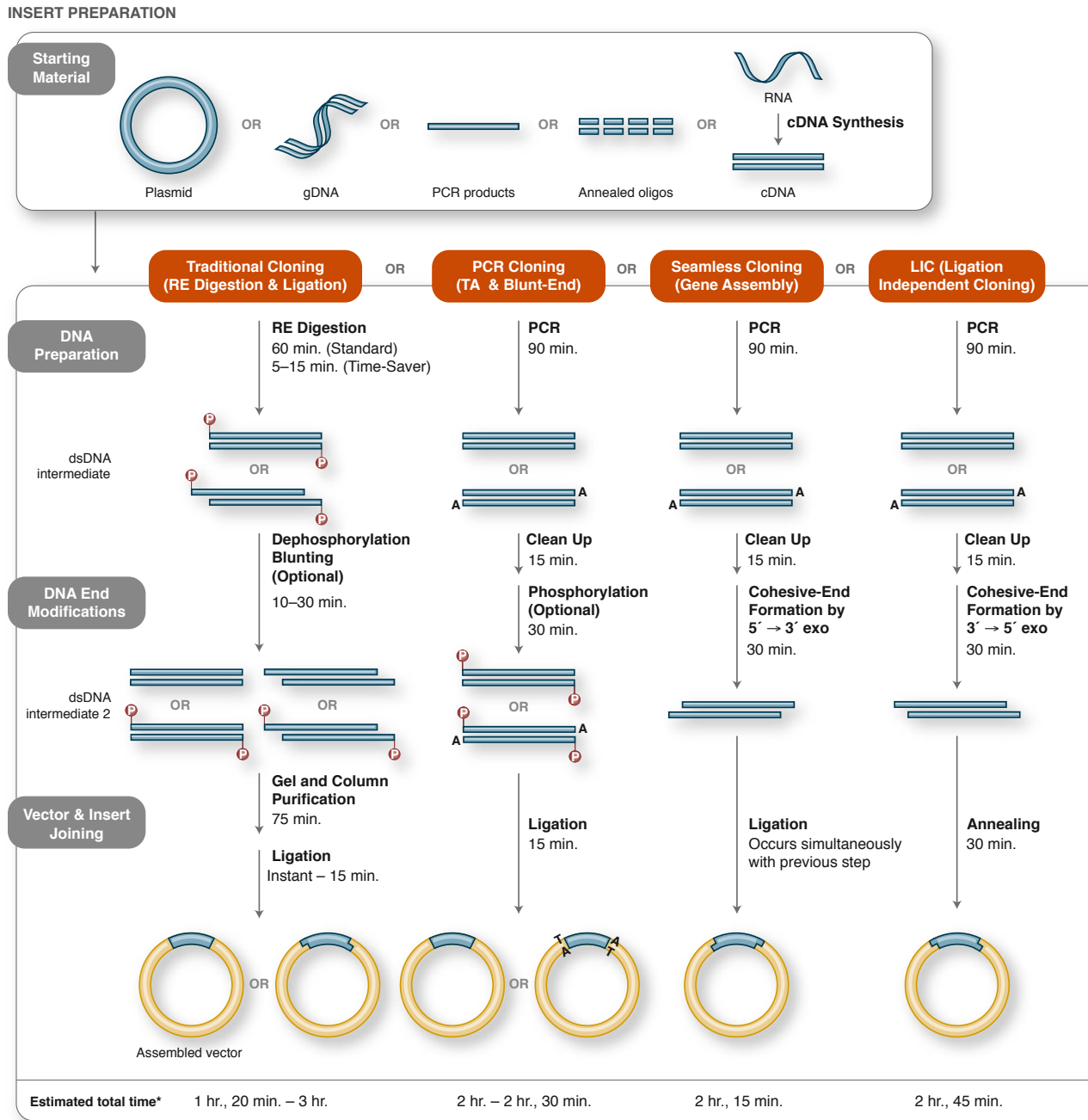


Cloning Workflow Comparison

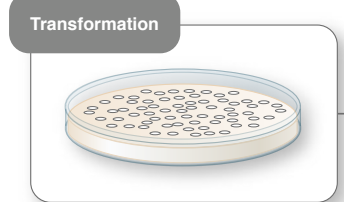
The figure below compares the steps for the various cloning methodologies, along with the time needed for each step in the workflows.

DNA MODIFYING ENZYMES & CLONING TECHNOLOGIES



* Note that times are based on estimates for moving a gene from one plasmid to another. If the source for gene transfer is gDNA, add 2 hours to calculation for the traditional cloning method. Total time does not include transformation, isolation or analysis.

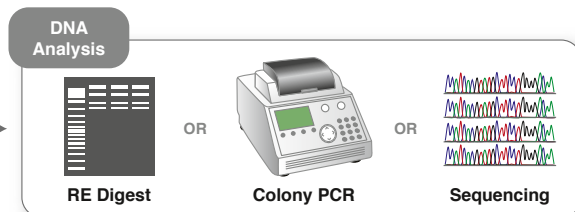
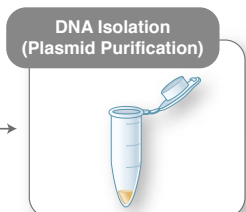
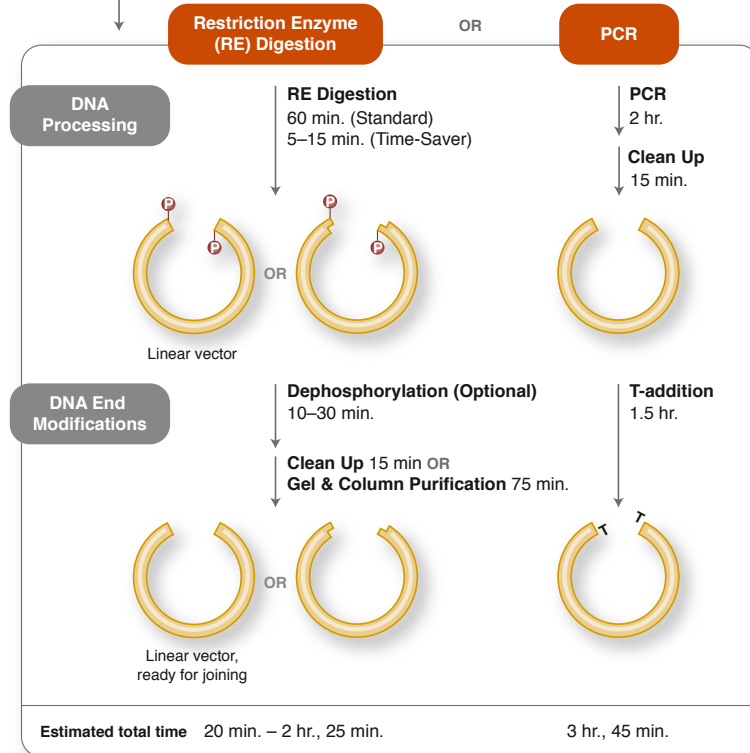
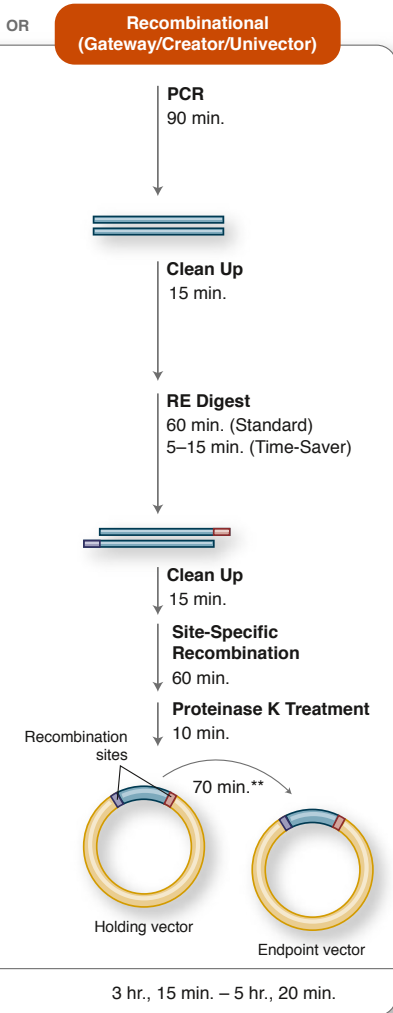
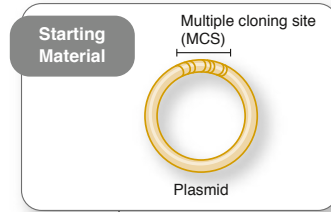
** 70 minutes for recombination occurs on second day





For help with choosing the right product for each step in the cloning workflow, try NEBcloner at NEBcloner.neb.com

VECTOR PREPARATION



- Protein Expression
- Functional Analysis
- Site-Directed Mutagenesis