

## GeneXP RCA Reaction Systems

|                                                          |  |               |                                                           |  |               |
|----------------------------------------------------------|--|---------------|-----------------------------------------------------------|--|---------------|
| <b>PicoPhi RCA Kit (#Phi100)</b>                         |  | <b>Volume</b> | <b>FemtoPhi RCA Kit (#FP100)</b>                          |  | <b>Volume</b> |
| ○ Sample Mix containing denatured DNA                    |  | 4 µl          | ○ Sample Mix containing denatured DNA                     |  | 4 µl          |
| ○ Reaction Buffer                                        |  | 5 µl          | ○ Reaction Buffer                                         |  | 4 µl          |
| ○ PicoPhi Enzyme                                         |  | 1 µl          | ○ FemtoPhi Enzyme                                         |  | 2 µl          |
| Total Volume                                             |  | 10 µl         | Total Volume                                              |  | 10 µl         |
|                                                          |  |               |                                                           |  |               |
| <b>PicoPhi RCA Premix (#PM100)</b>                       |  |               | <b>FemtoPhi RCA Premix (#FM100)</b>                       |  |               |
| ○ Sample Mix containing denatured DNA                    |  | 5 µl          | ○ Sample Mix containing denatured DNA                     |  | 5 µl          |
| ○ PicoPhi RCA Premix                                     |  | 5 µl          | ○ FemtoPhi RCA Premix                                     |  | 5 µl          |
| Total Volume                                             |  | 10 µl         | Total Volume                                              |  | 10 µl         |
|                                                          |  |               |                                                           |  |               |
| <b>PicoPhi RCA Premix with Specific Primer (#PM100S)</b> |  |               | <b>FemtoPhi RCA Premix with Specific Primer (#FM100S)</b> |  |               |
| ○ Sample Mix containing denatured DNA                    |  | 4 µl          | ○ Sample Mix containing denatured DNA                     |  | 4 µl          |
| ○ PicoPhi RCA Premix (PM100S)                            |  | 5 µl          | ○ FemtoPhi RCA Premix (FM100S)                            |  | 5 µl          |
| ○ Specific Primer (100 µM)                               |  | 1 µl          | ○ Specific Primer (100 µM)                                |  | 1 µl          |
| Total Volume                                             |  | 10 µl         | Total Volume                                              |  | 10 µl         |

All Reaction Condition: 30°C for 4~24 hrs, 65°C for 10 min and then 4°C forever.

*Bacillus* DNA Transformation Kit is equivalence of PicoPhi RCA Kit.

