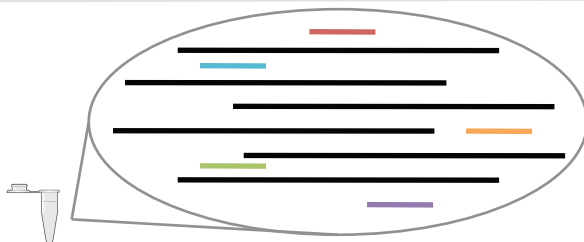


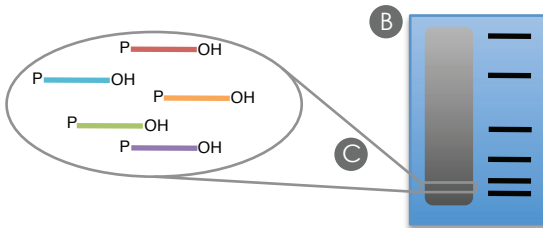
MIRNA-SEQ LIBRARY PREPARATION

TOTAL RNA ISOLATION



A Isolate 5ug of total RNA from your sample

SIZE FRACTIONATION



B Size fractionate total RNA using denaturing PAGE

C Select small RNA fraction (17-25 nt)

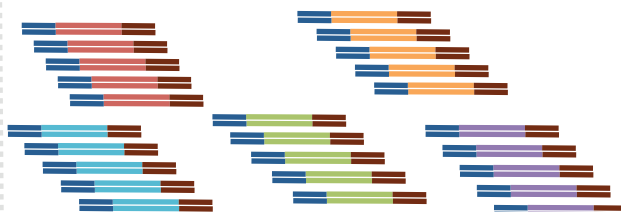
ADAPTOR LIGATION



D 3' adaptor ligation

E 5' adaptor ligation

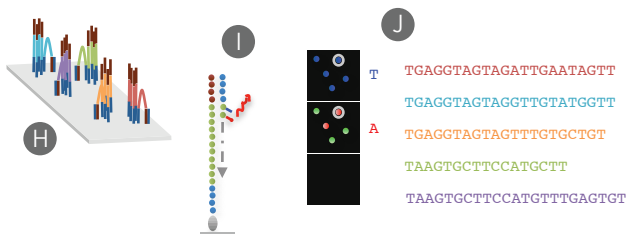
RT & PCR



F Reverse transcribe RNA sequences

G PCR amplify sequences

SEQUENCING*



H Flow Cell Attachment & Bridge Amplification

I Annealing of Sequencing Primers & Base extension

J Sequencing: Base Call, Deblock Extension, Extension, Base Call

*Illumina sequencing method depicted however other sequencing platforms can also be used.