Week 1st：
Get the vector with Psal promoter and double digest it with X,P.
Get the insert of GFP gene and double digest it with S,P
Ligase the two part together in order to cnstruct the plasmid of Psal promoter and GFP,
Transfer the plasmid into trans 5a bacteria
Get the vector with Pbad promoter and double digest it with X,P.
Get the insert of GFP gene and double digest it with S,P
Ligase the two part together in order to cnstruct the plasmid of Pbad promoter and GFP,
Transfer the plasmid into trans 5a bacteria

Week 2nd：
Get the vector with T7 promoter and double digest it with X,P.
Get the insert of GFP gene and double digest it with S,P
Ligase the two part together in order to cnstruct the plasmid of T7 promoter and GFP,
Transfer the plasmid into trans 5a bacteria

Week 3rd：
Make the different types of protection media with gradient of trehalose PVP.

Week 4th：
Use IPTG to induce the fresh cell containing plasmid of T7 promoter and GFP gene to express GFP.]
Detect it with flow cytometry assay and enzyme-linked immunoadsordent assay.
Determine the respone curve of the cell, and the intensity of GFP expression level.

Week 5th：
Transfer the cells of T7 promoter and GFP, Mer promoter and GFP into protection media and dry them in the water pump. Store in fringe in 4° C.

Week 6th：
ShangHai EXPO

Week 7th：
recover the stored cells and use cytometry assay and enzyme-linked immunoadsordent assay, the same methods used in fresh cells to determine the same parameter.

Week 8th：
recover the stored cells and use cytometry assay and enzyme-linked immunoadsordent assay, the same methods used in fresh cells to determine the same parameter.

Week 9th：
recover the stored cells and use cytometry assay and enzyme-linked immunoadsordent assay, the same methods used in fresh cells to determine the same parameter.

Week 10th：

collect the figure and data achieved in the previous three weeks to see how the condition and vigor of cells change. Determine which kind of protection media is the best.