

## ModuleDefinition

### IPTG-Inducible LacZ Expression (Genetic Production)

#### ComponentDefinitions

Small Molecule-Based    IPTG (Effector) as Input

DNA-Based    IPTG-Inducible LacZ Expression Device (Gene)

pLac (Promoter)

RNA-Based    lacZ mRNA (mRNA)

Protein-Based    LacZ (Enzyme) as Output

#### Interactions

##### pLac Induction (Activation)

###### Participants

IPTG as Activator

pLac as Promoter

##### LacZ Transcription (Transcription)

###### Participants

IPTG-Inducible LacZ Expression Device as Modifier

LacZ mRNA as Product

##### LacZ Translation (Translation)

###### Participants

LacZ mRNA as Modifier

LacZ as Product

