

# iGEM 2015 – Microbiology – BMB – SDU

<b>Project type:</b> <b>Project title:</b> Construction of indicator for cAMP <b>Sub project:</b> Amplifying and creating new brick	<b>Creation date:</b> 31.03.2014 <b>Written by:</b> Elise, Christian og Mette <b>Performed by:</b> iGEM 2015
---	--

## 1. SOPs in use

All SOPs can be found in:

iGEM2014 SOP0009 - TSB transformation

iGEM2013 SOP0016 - LA and LB medium

iGEM2014 SOP0017 - Fast Digest

iGEM2014 SOP0015 - Ligation

iGEM2014 SOP0021 - Colony PCR

## 2. Purpose

To create a brick that can indicate the activation of CyaA in the two hybrid system, by colour expression when increased presence of cAMP.

## 3. Overview

Date (DD.MM.YY)	Person(s) (initials)	Experiments	SOPs
30.03.15	EMT;CEM	Grown overnight on plate	No SOP
31.03.15	EMT;CEM;MMW N	LA medium	iGEM2013_SOP0016_v01
31.03.15	EMT;CEM;MMW N	TSB transformation	iGEM2014_SOP0009_v01
30.04.15	EMT	Fast Digest	iGEM2014-SOP0017_v01
30.04.15	EMT	Purification from gel	

30.04.15	AC	Ligation	SOP0015_v02
01.05.15	AC; EMT	Transformation	iGEM2014_SOP0009_v01
01.05.15	AC; TBA	Udpladning	
02.05.15	MMW; ADK	Colony PCR	iGEM2013_SOP0021_v01


#### 4. Materials required.

##### Materials in use

Name	Components (Concentrations)	Manufacturer / Cat. #	Room	Safety considerations

#### 5. Experiment history

Date (DD.MM.YY)	Person(s) (initials)	Alterations to SOPs and remarks to experiments	SOPs
31.03.14	EMT;CEM ;MMWN		
31.03.14	EMT;CEM		

	;MMWN		
31.03.14	EMT;CEM ;MMWN	Everything was done according to SOP. Template: pUt18 + pKT25 Primers: pKT25_BB_F, pKT25_BB_R and pUT18C_BB_R. Optimised Temperature gradient [°C]: 57.1-60.6 pUt18 61.8-65.6 pKT25 Number of bp: 1000 => 30 sec. at 72°C	iGEM2014_SOP0010_v01
30/4-15	EMT	Enzymes: Pist and Spee Plasmids: psB1C3-K118011 (Backbone) psB1C3-E1010	iGEM2014_SOP0010_v01
30/4-15	EMT		Purification from gell
30/4-15	AC	Ligering af: psB1C3-K118011 og E1010	iGEM2014_SOP0015
1/5-15	AC, EMT	Transformerig af : psB1C3-K118011-E1010	iGEM2013_SOP0009_v01
1/5 -15	AC, TBA	Udpladning af: psB1C3-K118011- E1010	Udpladning

## 6. Results

Date (DD.MM.YY)	Picture	Comments
		We found a standard brick for RFP-cAMP indicator, and stopped the experiments our self.


**7. Appendices**