

## PROTOCOL: Modified Blue-White selection

### **Material and chemicals:**

1.6% LB agar (see PROTOCOL: Preparation of growth media)

Xgal (20 mg/ml) - diluted in DMSO - sterile

### **Workflow:**

**For 100 ml of LB medium use 200  $\mu$ l of Xgal (20 mg/ml)**, it is also necessary to use antibiotics in appropriate concentration. Prepare these plates, inoculate bacteria at the top and incubate overnight at 37 °C. Do not forget to take a photo of your plates.

### **Notes:**

- After preparation of these special agar plates, store them in 4 °C.
- The LB agar has to be tempered to 45 °C before addition of Xgal.
- It is also possible to use 50  $\mu$ l of Xgal at the top of a solid LB agar and spread the Xgal with a bacteriological stick, but the addition straight to the medium is definitely better.