Transformation of *A. Niger*

Introduction

The purpose of this protocol is to insert the naked DNA in the cells of *A. niger*.

Materials

- PCT
- Transformation media plates (TM plates)
- Aspergillus transformation buffer (ATB)
- DNA
- Protoplasts
- Eppendorf tubes

Procedure

1. Add at MOST 25 µL (1500-5000 ng; If episomal plasmid, 10-100 ng is sufficient) DNA (or max 25% of protoplast volume) and 100 µL of protoplasts (more if difficult transformation) in a 2 ml Eppendorf tube.
2. Add 150 µL PCT with a large-nozzle pipette tip.
3. Gently mix by swirling – careful the protoplasts are fragile.
4. Incubate for 10-30 minutes at RT.
5. Add 250 µL ATB.
6. Distribute transformation mix on osmotic-stabilized selective media and let the agar absorb the mix before incubating