iGEM TU/e 2014
Biomedical Engineering

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FACS - DBCO-PEG10kDa

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Title
FACS - DBCO-PEG10kDa

1 Stock solutions

- DBCO-PEG 10 kDa in DMSO (300 µM)
- Buffer: PBS

2 Preparation of FACS samples

- Prepare following tubes:

Tube	[DBCO]	Cells (10^9)	DBCO-PEG10kDa (µL) (300 µM)	DBCO/tag ratio
1	0	200 µL		
2	30 µM	200 µL	22.2	300.5

- Make sure you vortex the cell well before and after adding the DBCO-PEG10kDa
- React DBCO tubes for 1h to 6h in shaking block at 4°C and 300rpm
- Prepare FACS samples after 1h and 6h:
  - Spin down the cells for 5 min at 13,400 rpm and discard the supernatant
  - Resuspend with 1 mL ice cold PBS
  - Spin down the cells for 5 min at 13,400 rpm and discard the supernatant
  - Put the pellets on ice until FACS
  - Right before FACS: resuspend with 200 µL ice cold PBS