

## Fluorescence Microscopy with *S. cerevisiae*

- Inoculate a main culture from an overnight culture with a start OD of 0.2 in YPD Medium.
- When the OD reaches 0.5, harvest 0.35 of OD and centrifuge the culture at 12,000 rpm in room temperature for 1 minute.
- Resuspend the cell pellet in 60  $\mu$ l SD medium.
- Add 1  $\mu$ M of fusion protein and incubate at 30°C, 450 rpm in the dark for 15 minutes.
- Centrifuge at 12,000 rpm in room temperature for 1 minute.
- For the washing step, add 20  $\mu$ l of PBS and centrifuge at 12,000 rpm in room temperature for 1 minute.
- Resuspend in 10  $\mu$ l of minimal medium.
- Fluorescence microscopy of 5  $\mu$ L (LSM 700 (Zeiss), magnification: 100x, filters: Texas Red [ $\lambda$ (ex)=555 nm,  $\lambda$ (Em)=570 nm to 800 nm], transmitted light

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