





















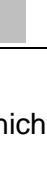





FAQ: Different fluorophores and the fitting filterset.

The most common fluorophores which can be used in MicroScale Thermophoresis are listed in the table below.

Fluorophore	Excitation [nm]		NT.115 Blue/Green	NT.115 Blue/Red	NT.115 Green/Red	NT.115 pico	Emission [nm]
BCECF	480						525
GFP	488						507
NT-495 (BLUE)	493						521
Fluorescein (FITC)	495						519
Alexa488	495						519
YFP	514						527
Alexa532	530						555
TAMRA	546						579
Cy3	550						570
RFP	555						584
NT-547 (GREEN)	557						574
Alexa546	560						672
Cy5	649						670
NT-647 (RED)	650						670
Alexa647	652						668

NanoTemper offers protein labeling kits with different coupling chemistry which are optimized for MST (NT-495, NT-547, NT-647).

Note:

Excitation and emission wavelengths often vary depending on the environment (buffer, pH)!

Colors are only a very rough approximation!

The minimum concentration for use in NT.115 series instruments can vary!