










































FAQ: Different fluorophores and the matching 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						572
Cy5	649						670
NT-647 (RED)	650						670
Alexa647	652						668

NanoTemper Technologies offers protein labeling kits with different coupling chemistries (amine and cysteine reactive) which are optimized for MST (NT-495, NT-547, NT-647). Also, we provide His-tag specific labeling (RED-tris-NTA). Please contact NanoTemper's Application Support team (support@nanotemper-technologies.com) for any questions.

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 Monolith instruments can vary.