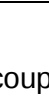


## FAQ: Different fluorophores and the matching filterset.

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 offers protein labeling kits with different coupling chemistries 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!