

The list below shows current detector/filter parameters (as of June 10th 2025) for both the **FACSAria** (sorter) and the **Fortessa** (analyzer) as nanometers, like this: wavelength/bandwidth.

Most of the red and green numbers written beside each other are equal, e.g.

610/20 **610/20**;

in these cases you can use the same fluorophore on the same detector on the other instrument without any questions.

But in some cases the numbers beside each other are **not** equal, e.g.

510/30 **525/50**.

In these cases the detectors closest resembling each other where chosen when the list was made.

This is not optimal, but it is the second best option, and it will still offer a certain probability that you can use the same fluorophore on the given detectors on both instruments.

In the example above, the fluorophore FITC will shine brightly into both the 510/30 and the 525/50 detector.

In general, only a close examination of the emission spectrum of the fluorophore in relation to the detector parameters will give you a finite answer.

Such spectrum viewers can be found [here](#) and [here](#).

	FACSAria	Fortessa
Violet laser	405	405
Detectors;	450/40	450/40
	510/30	525/50
	610/20	610/20
	None	660/20
	None	710/50
	None	780/60
Blue laser	488	488
Detectors;	488/10 *	488/10 *
	530/30	530/30
	695/40	710/50
Yellow green laser	561	561
Detectors;	582/15	585/15
	610/20	610/20
	670/14	670/30
	710/50	710/50
	780/50	780/60
Red laser	633	640
Detectors;	660/20	670/14
	730/45	730/45
	780/60	780/60

* dedicated to side scatter