Perkin Elmer UltraView ERS

**Dichroics**

- **405, 488, 568, 640**
  - DAPI, GFP, mRFP, Cy5 DRAQ5
- **405, 440, 514, 640**
  - CFP, YFP, Cy5 DRAQ5
- **405, 440, 488**
  - Fluo4

**Fast Sequential Emission Filters**

**CSU22 head:**

**Used Dichroic I and III**

*Filter 1: Green/Red (dual passband):* 525nm pass band centre, 50nm half-power bandwidth and 640nm pass band centre, 120nm half-power bandwidth

(Compatible with 488, 568nm lines)

**Used Dichroic II**

*Filter 2: Cyan/Yellow (triple passband):* 477nm pass band centre, 45nm half-power bandwidth; 575nm pass band centre, 100nm half-power bandwidth and 705nm pass band centre, 90nm half-power bandwidth.

(Compatible with 405, 440, 514, 640, 647 (ERS-3) lines)
**Emission Discrimination Filter**

**Green** (single passband): 527nm pass band centre, 55nm half-power bandwidth

**Cyan/Far red** (dual passband): 485nm pass band centre, 60nm half-power bandwidth, 705nm pass band centre, 90 nm half-power bandwidth

**Blue/Red** (dual passband): 445nm pass band centre, 60nm half-power bandwidth and 615nm pass band centre, 70nm half power bandwidth

**Yellow** (single passband): 550nm pass band centre, 20nm half-power bandwidth