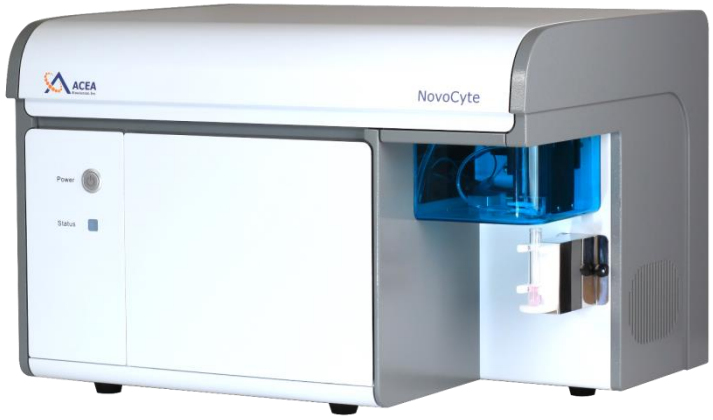
NovoCyte

High performance flow cytometer for everyone



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Matherial and methods

- **ACEA NovoCyte 3000 (488, 642, 405 nm lasers), 13 colors**

  physical parameters: FSC and SSC

  fluorescence: excitation 405nm laser

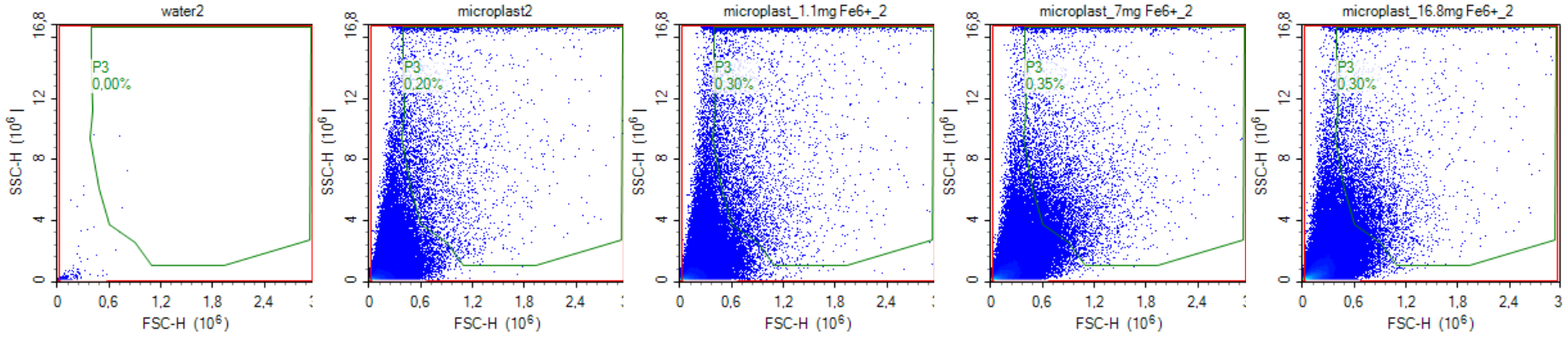
  emission channel VL2 530/30nm AmCyan

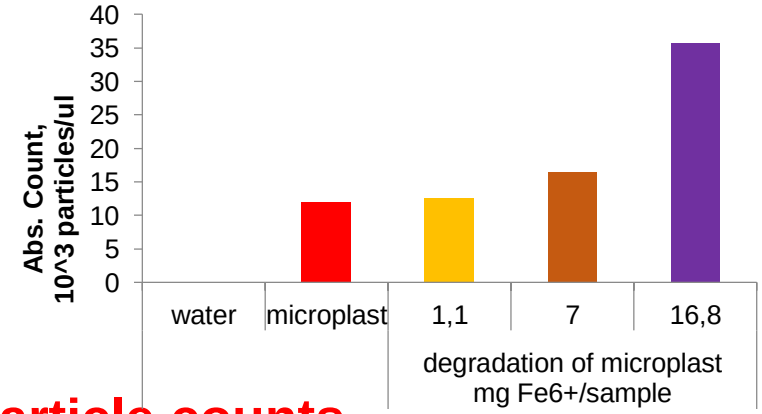
  VL3 572/28nm Pacific Orange

- **10g of mechanically grindered polystyrol – phenyl-thiophen co-polymer with Mw 250 000 g/mol (Mn 90 000g/mol) in ddH_2O was filtrated through 45μm filter.**
- **10ml of hetereogenous mixture was used for degradation reaction using 0, 1.1, 7 and 16.8 mg of Fe^{6+}**
- **Mixture was analyzed by NovoCyte after 20min of the reaction**

Degradation of fluorescencent polystyrol

- **Physical parameters**

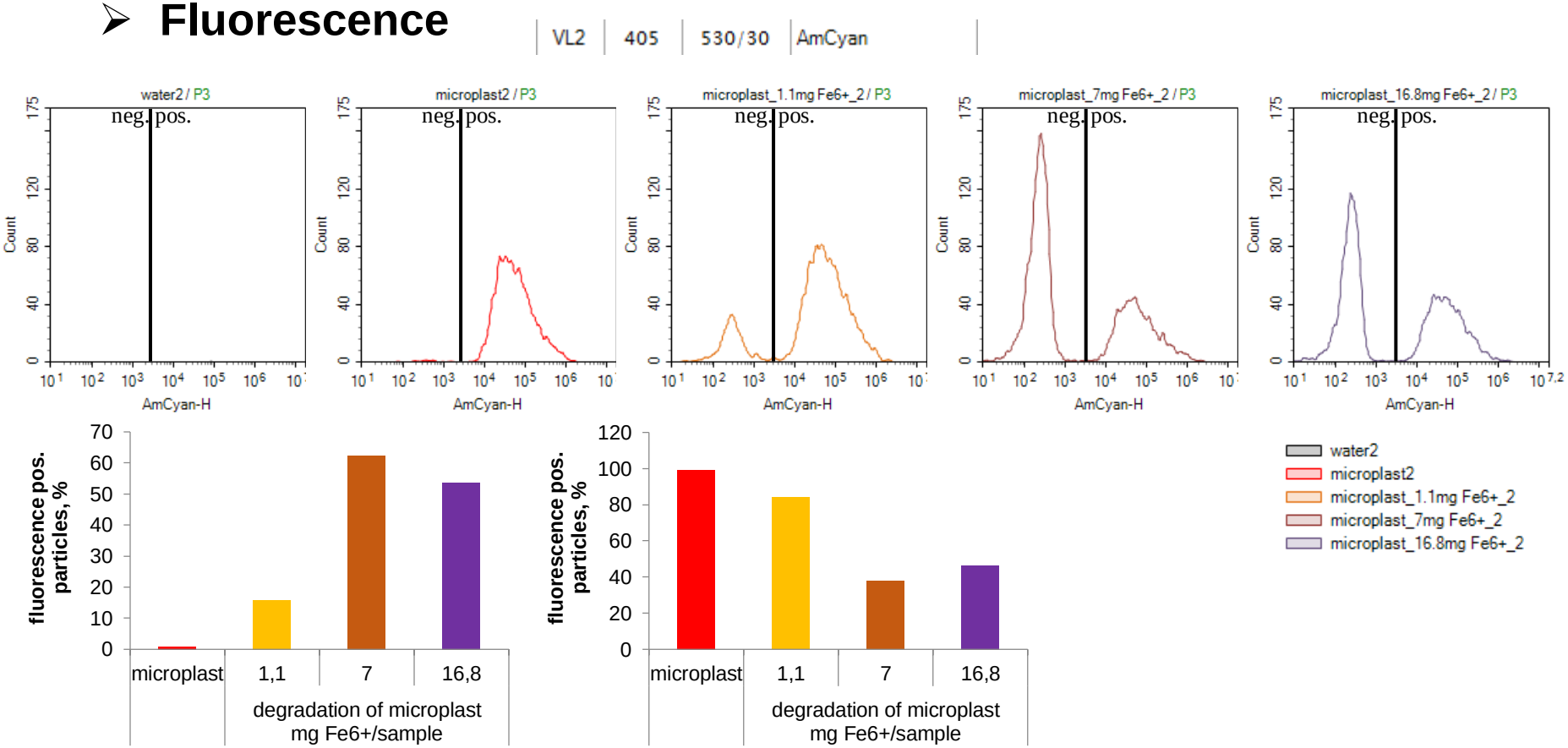




- **Increase in particle counts**

Degradation of fluorescencent polystyrol

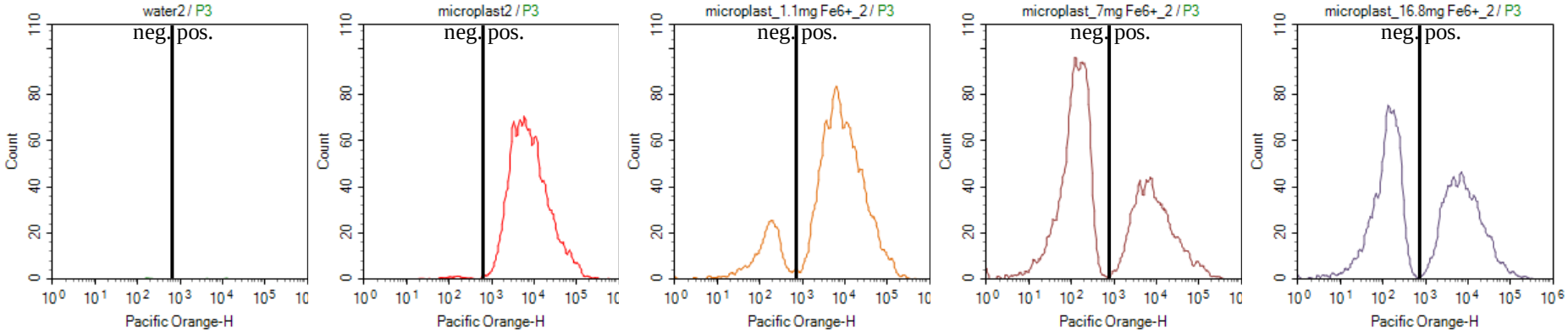
- **Fluorescence**

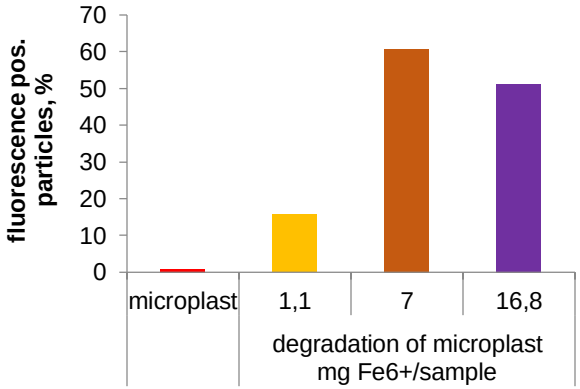


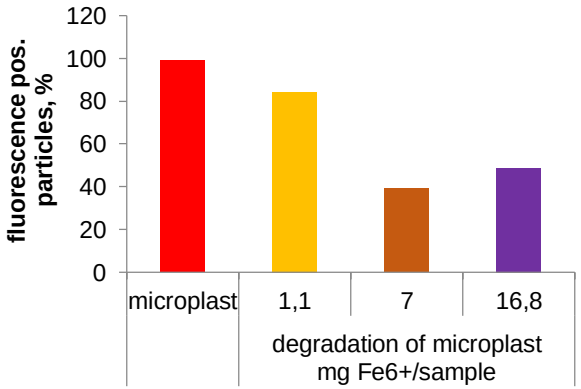
- **Decrease in fluorescnce pos. and increase in neg. particles**

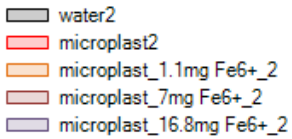
Degradation of fluorescencent polystyrol

- **Fluorescence**









- **Decrease in fluorescnce pos. and increase in neg. particles**