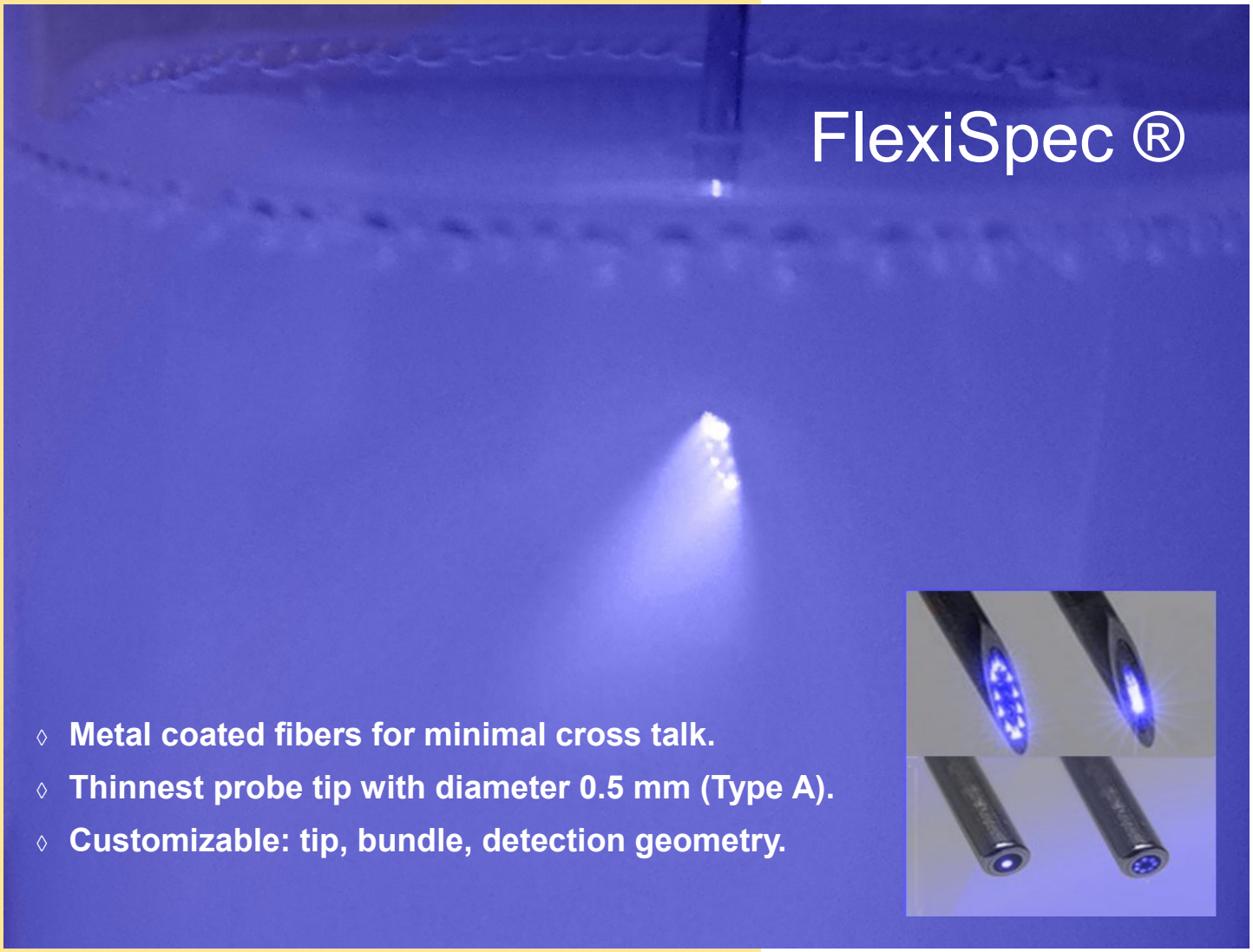
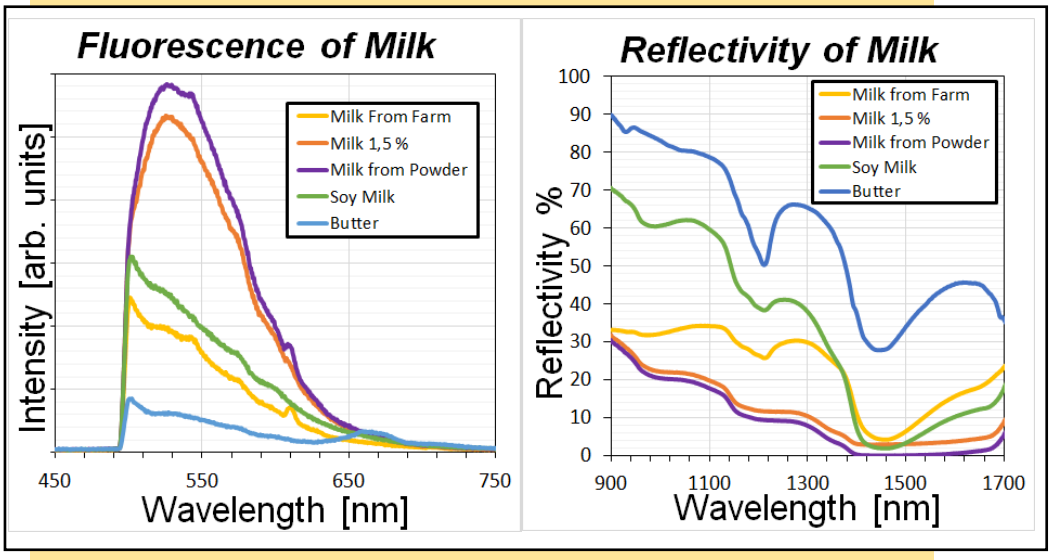
Fiber Optic Reflectivity and Fluorescence

art photonics



- Metal coated fibers for minimal cross talk.
- Thinnest probe tip with diameter 0.5 mm (Type A).
- Customizable: tip, bundle, detection geometry.



Spectra acquired with the (7+1) Type A probe

Some Applications:

- Biomedical
- Biotechnology
- Material Science
- Food & Drink
- Chemical/Petrochemical
- Pharmaceutical
- Research & Development

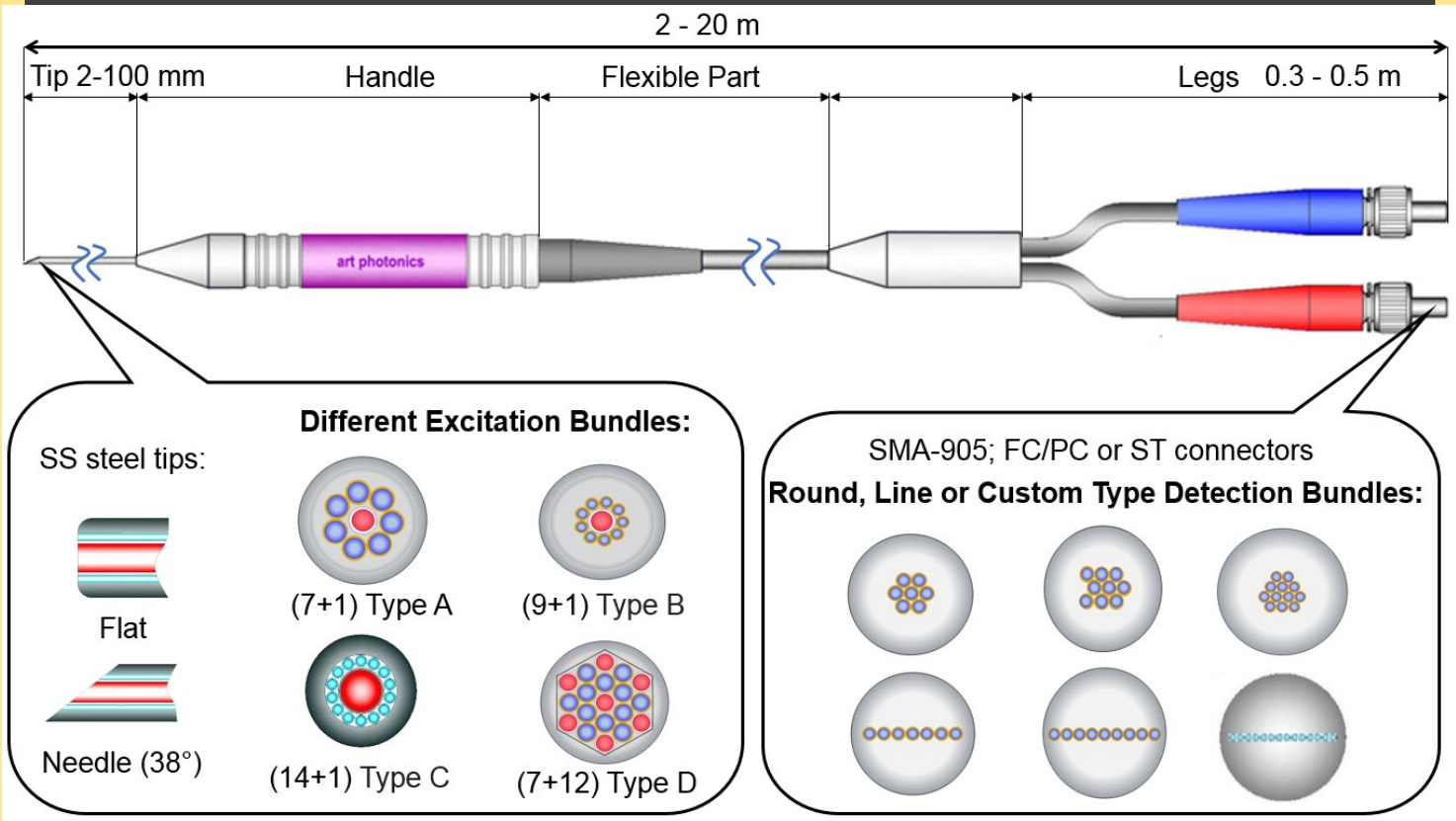
Broad spectra fiber solutions

www.auroraprosci.com

Specifications

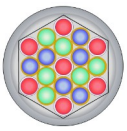
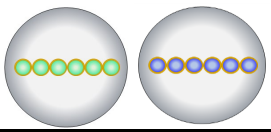
Wavelength Range:	190 - 1300 nm (UV/VIS) / 350 - 2200 nm (VIS/NIR)
Operating Temperature:	-20 °C to 80 °C (PEEK -70 °C to +200 °C) (SS Steel till +400 °C)
Pressure:	10 Bar (on request)
Bend Radius Body:	80 - 160 mm (long term proof test on request)
Fiber Core ø [µm]	Detecting Fibers: 50, 100, 200, 300/ Illuminating Fibers: 100, 200, 300,400 NA = 0.22 ± 0.02

Customizable Design:



High Sensitivity Versions:

Split design with two detection legs enables contemporary measurements with two different spectrometers:

Type E: 2 Detection Legs	7 Al coated excitation Fibers 	2 Detection Legs (6+6 Fibers) 

Probe with Glass Fibers Structure:

Specially developed for multiple LED excitation and detection of weak signals:

Type F: Glass Bundle + Silica Bundle	Version 1 LED1 LED2 High NA Glass Fibers Det1 Det2 2 Channels Randomized detection fibers (9+10) Al/PI jacket Silica Glass	Version 2 LED1 LED2 High NA Glass Fibers Det1 Det2 2 Channels Randomized detection fibers (7+30) Al/PI jacket Silica Glass

Aurora Pro SCIENTIFIC

Aurora Pro Scientific (US partner)
103 Godwin Ave,
Midland Park, NJ 07432, USA

sales@auroraprosci.com
www.auroraprosci.com