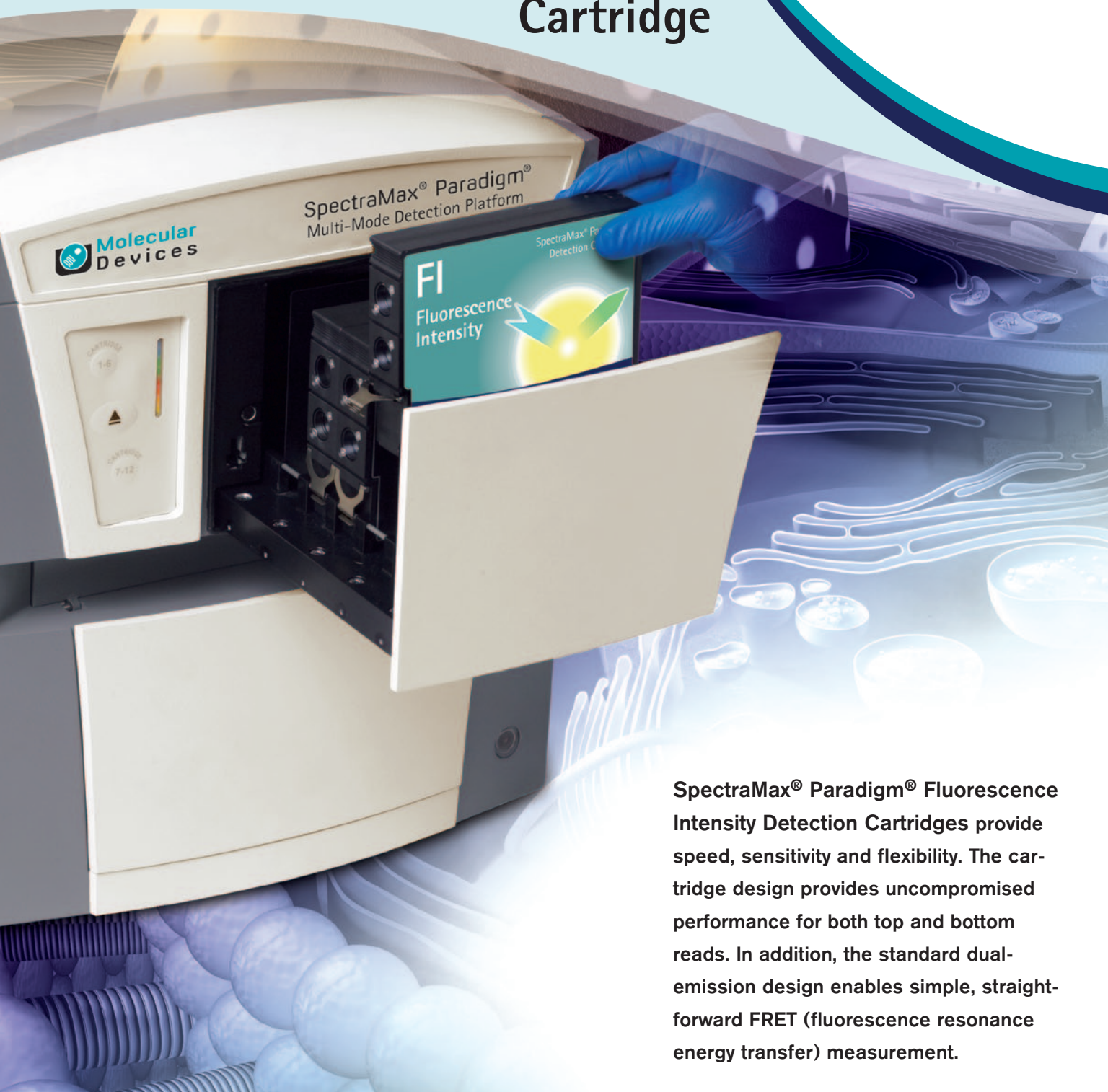


SpectraMax Paradigm

Fluorescence Intensity Detection Cartridge



SpectraMax® Paradigm® Fluorescence Intensity Detection Cartridges provide speed, sensitivity and flexibility. The cartridge design provides uncompromised performance for both top and bottom reads. In addition, the standard dual-emission design enables simple, straightforward FRET (fluorescence resonance energy transfer) measurement.

SpectraMax Paradigm Multi-Mode Detection Platform

Fluorescence Intensity Detection Cartridge

Maximum flexibility and sensitivity

- Three cartridges; each optimized for popular fluorophores
- Choose one or have all three



DESCRIPTION

Part Numbers 0200-7002, 0200-7003, 0200-7004
 Mounting Top Read or Bottom Read
 Cartridge Size 1 Position
 Light Source High-Power LED

PART NUMBER: (CARTRIDGE NAME):	0200-7002 (Coumarin- Fluorescein)	0200-7003 (Fluorescein- Rhodamine)	0200-7004 (Cy3-Cy5)
Wavelength-Tuned Excitation	360/35 nm	485/20 nm	535/25 nm
Wavelength-Tuned Emission	465/35 nm 535/25 nm	535/25 nm 595/35 nm	595/35 nm LP 655 nm

TYPICAL PERFORMANCE

Detection limit for fluorescein (read time / plate)

	Stop-Read	On-The-Fly
384-well (75 μ L)	0.100 fmol (2 min)	0.200 fmol (1.0 min)
1536-well (8 μ L)	0.030 fmol (4 min)	0.050 fmol (1.5 min)

Linear Dynamic Range > 6 decades

TYPICAL APPLICATIONS*

- Nucleic Acid Quantitation
- Molecular Interaction
- Ion Channel
- Protein Quantitation
- Reporter Gene Assays
- Apoptosis
- Proliferation/Viability

TYPICAL FLUOROPHORES*

0200-7002

- Coumarin
- Hoechst
- DAPI
- AMCA
- ANS
- Coumarin-Fluorescein (FRET)
- Alexa 350

0200-7003

- Fluorescein
- OliGreen
- PicoGreen
- RiboGreen
- Fluo-3,4
- GFP
- Fluorescein-Rhodamine (FRET)
- GFP-RFP (FRET) Alexa 488

0200-7004

- Rhodamine
- TAMRA, TMR
- Cy 3-Cy 5 (FRET)
- Cy 3-Cy 5.5 (FRET)
- Resorufin
- Alexa 532, 546, 555

* This list does not represent a complete list of applications or labels which can be performed by the specific detection cartridge.



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