

# Application Configuration Guide

# TD-700 Laboratory Fluorometer

Applications	Assay Kit/Dye	Instrument P/N	PMT (installed)	Optical Kit			Cuvette/ Test Tube P/N & Material	Adaptor	Solid Secondary Standard	
				*Optical Kit P/N	Lamp P/N & Description	Excitation Filter P/N & Description				Emission Filter P/N & Description
<b>ENVIRONMENTAL APPLICATIONS:</b>										
Ammonium	Ammonium <a href="#">(Method P/N S-0103)</a>	7000-009	Standard 300-650nm	10-303	10-049 Near UV	034-0040 *350FS40-25 310-390nm  10-327R Attenuator Plate 1:75	10-110R-C 410-600nm	10-031 13mmx100mm Borosilicate Test Tube	7000-981 13mmx100mm Test Tube Adaptor	N/A
CDOM	Colored Dissolved Organic Matter <a href="#">(Method P/N S-0081)</a>	7000-009	Standard 300-650nm	10-303	10-049 Near UV	034-0040 *350FS40-25 310-390nm  10-327R Attenuator Plate 1:75	10-110R-C 410-600nm	10-031 13mmx100mm Borosilicate Test Tube	7000-981 13mmx100mm Test Tube Adaptor	N/A
Chlorophyll a	Extractive (Acidification Method) and <i>In-vivo</i> <a href="#">(Method P/N 998-2607)</a>	7000-000	Red 185-870nm	10-037R	10-045 Daylight White	10-050R 340-500nm	10-051R >665nm	10-031 13mmx100mm Borosilicate Test Tube or 10-028A 25mmx150mm Borosilicate Test Tube	7000-981 13mmx100mm Test Tube Adaptor or 7000-982 25mmx150mm Test Tube Adaptor (Both included with instrument)	7000-994
Chlorophyll a	Extractive (Non-acidification Method) <a href="#">(Method P/N 998-9001)</a>	7000-000	Red 185-870nm	10-040R	10-089 Blue Mercury Vapor	034-0392 *436FS10-25 436nm	034-0395 *680FS10-25 680nm	10-031 13mmx100mm Borosilicate Test Tube	7000-981 13mmx100mm Test Tube Adaptor (Included with instrument)	7000-994
Chlorophyll a	<i>In-vivo</i> (fresh water, samples with high DOM and/or Chlorophyll b)	7000-000	Red 185-870nm	10-096R	10-089 Blue Mercury Vapor	10-050R 340-500nm	034-0395 *680FS10-25 680nm	10-028A 25mmx150mm Borosilicate Test Tubes	7000-982 25mmx150mm Test Tube Adaptor (Included with instrument)	7000-994
Fluorescent Tracer Studies	Fluorescein	7000-009	Standard 300-650nm	10-086R	10-089 Blue Mercury Vapor	034-0486 *486FS10-25 486nm	10-109R-C 510-700nm	10-028A 25mmx150mm Borosilicate Test Tube	7000-982 25mmx150mm Test Tube Adaptor	7000-993

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Fluorescent Tracer Studies	Rhodamine WT (Standard PMT)	7000-009	Standard 300-650nm	10-041R	10-046 Clear Quartz	034-0500 *550FS10-25 550nm	10-052R >570nm	10-028A 25mmx150mm Borosilicate Test Tube	7000-982 25mmx150mm Test Tube Adaptor	7000-994
Fluorescent Tracer Studies	Rhodamine WT (Red PMT)	7000-000	Red 185-870nm	10-041R	10-046 Clear Quartz	034-0500 *550FS10-25 550nm	10-058R 325-700nm & 10-052R >570nm	10-028A 25mmx150mm Borosilicate Test Tube	7000-982 25mmx150mm Test Tube Adaptor (Included with instrument)	7000-994
Fluorescent Tracer Studies	Uvitex Dye	7000-009	Standard 300-650nm	(Order individual filters)	10-049 Near U.V.	10-069R 300-400nm	10-059R and 10-061R (install 10-061R before 10-059R into filter cylinder) 410-500nm	10-031 13mmx100mm Borosilicate Test Tube	7000-981 13mmx100mm Test Tube Adaptor	7000-992
Histamine	I.N.E.P.A.C.A. Method ( <a href="#">Method P/N 998-7076</a> )	7000-009	Standard 300-650nm	(Order individual filters)	10-049 Near U.V.	10-069R 300-400nm	10-059R & 10-061R 410-500nm	7000-959 10mmx10mm Square Methacrylate Cuvette	7000-988 10mmx10mm Square Cuvette Adaptor (Included with instrument)	7000-992
Optical Brighteners	Optical Brighteners	7000-009	Standard 300-650 nm	10-306	10-049 Near U.V.	10-069R 300-400nm	034-0392 *436FS10-25 436nm	10-031 13mm x 100mm Borosilicate Test Tube	7000-981 13mmx100mm Test Tube Adaptor	
Phycocerythrin	Phycocerythrin	7000-009	Standard 300-650nm	10-304	10-045 Daylight White	034-0544 *544FS10-25 544nm	10-052R >570 nm	10-028A 25mmx150mm Borosilicate Test Tubes	7000-982 25mmx150mm Test Tube Adaptor (Included with instrument)	
Phycocyanin	Phycocyanin	7000-000	Red 185-870nm	10-305	10-047 Cool White	034-0603 *600FS20-25 600nm	034-0640 640FS10-25 640nm	10-028A 25mmx150mm Borosilicate Test Tubes	7000-982 25mmx150mm Test Tube Adaptor (Included with instrument)	
Oil, Short Wavelength	Petroleum Hydrocarbons in Water	7000-009	Standard 300-650nm	10-301R	10-046 Clear Quartz	034-0860 *254FS25-25 254nm	10-069R 300-400nm	10-297 13mm x 100mm Quartz Test Tube	7000-981 13mmx100mm Test Tube Adaptor	

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Oil, Long Wavelength	Petroleum Hydrocarbons in water	7000-009	Standard 300-650nm	10-302R	10-049 Near UV	10-069R 300-400nm	10-110R-C 410-600nm	10-031 13mm x 100mm Borosilicate Test Tube	7000-981 13mmx100mm Test Tube Adaptor	