

SmartTuner System for NexION 300/350/1000/2000 ICPMS

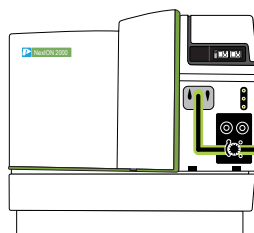
Automated Tuning, Rinsing and Calibration

- Automated Daily Tuning
- Automated Dual Detector Calibration
- Automated ICPMS Calibration from large standard reservoirs
- Delivery of special rinse solutions, organic solvents, and chromatography eluents
- PerkinElmer NexION Scheduler allows for true automated instrument startup, tuning and calibration routines

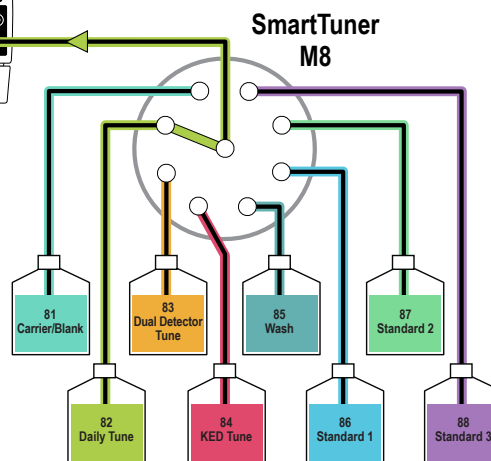


SmartTuner with prepFAST valve system and PerkinElmer NexION 350

SmartTuner valve system
with PerkinElmer NexION 2000



SmartTuner automatically performs unattended daily tuning functions through SmartTune software on the NexION 300/350/1000/2000 ICPMS. Daily tune, mass calibration, and detector calibrations can be performed without the need for manual introduction of the required solutions. SmartTuner bottles are capped to prevent evaporation and contamination.



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SmartTune Scheduler

<input checked="" type="checkbox"/>	Task	Details	Status
<input checked="" type="checkbox"/>	AutoStart		
<input checked="" type="checkbox"/>	Warm-up	10 minutes	
<input checked="" type="checkbox"/>	SmartTune		
<input checked="" type="checkbox"/>	Wait		
<input checked="" type="checkbox"/>	Analyze Samples		
<input checked="" type="checkbox"/>	AutoStop		

SmartCalibration with SmartTuner

- Place calibration standards in the provided bottles, and the SmartTuner becomes the SmartCalibrator
- Calibration standards are automatically pumped into NexION
- Autosampler space not used for calibration standards
- Refill calibration standards less often
- After calibration, the probe is automatically rinsed and ready to analyze samples

Report View

Current Sample	Raw Intensities	Net Intensities	Concentrations	Unfactored Concentrations	Internal Standards	QC				
<input type="checkbox"/> Show RSDs										
	Sample Id	Acquisition Time	QC Status	V 51 (ppb)	Co 59 (ppb)	Sr 88 (ppb)	Cd 111 (ppb)	Ba 138 (ppb)	Pb 208 (ppb)	U 238 (ppb)
1	Blank	4/16/2019 1:49:35 PM								
2	5	4/16/2019 1:50:51 PM		4.976	5.175	5.017	5.007	5.207	5.125	5.080
3	10	4/16/2019 1:52:07 PM		9.957	10.165	9.919	10.036	10.185	9.991	10.136
4	50	4/16/2019 1:53:23 PM		49.506	48.799	49.093	49.249	48.711	49.970	50.684
5	100	4/16/2019 1:54:39 PM		100.252	100.575	100.461	100.372	100.616	100.010	99.640
6	Calibration Curves	4/16/2019 1:54:39 PM								
7	5ppb QC	4/16/2019 1:56:40 PM		5.034	5.206	4.939	5.103	5.100	5.140	5.167
8	Blank QC	4/16/2019 1:58:42 PM		0.010	0.009	0.016	0.032	-0.030	-0.012	0.005

SmartTuner multielement calibration



SmartTuner Requires An ESI DX Autosampler For Operation

Description	Part Number	
	300/350	1000/2000
SmartTuner M8 for NexION. Automatically selects among up to 8 different solutions, such as optimization solution, carrier solution, spray chamber rinsing solution, organic solvents, chromatography eluents, or any user-defined solutions. Operates under control of NexION SmartTune and Scheduler software. (DX autosampler required, not included).	SMT-M8-84	SMT-M8-64
Simplify and automate reagent-selection for daily, weekly, and monthly optimization procedures for NexION. Easily switch between different solvent types.		

Custom rack with (1) 500 mL bottle, (3) 125 mL bottles, (4) 50 mL vials, and PTFE sample probes with carbon fiber support included with each SmartTuner. Optional customizable 8 or 10 bottle racks for 125 mL, 250 mL, or larger bottles also available. Probes can be custom made to specific lengths and materials at no extra charge.

