

SDX_{HPLD}

High Performance Liquid Dilution System



An innovative spin on proven technology

- Reduce manual labor
- Remove human error
- Prescriptive Dilutions: Automated Calibrations and Sample Dilutions
 - » Free up your lab analyst
- Intelligent Dilutions *and Re-Dilutions*
 - » Internal standard correction
 - » Corrects out-of-range samples automatically *on the first run*
 - » No more recalculating, rediluting, and reanalysis
- Fully integrated with Qtegra ICP and ICP-MS software

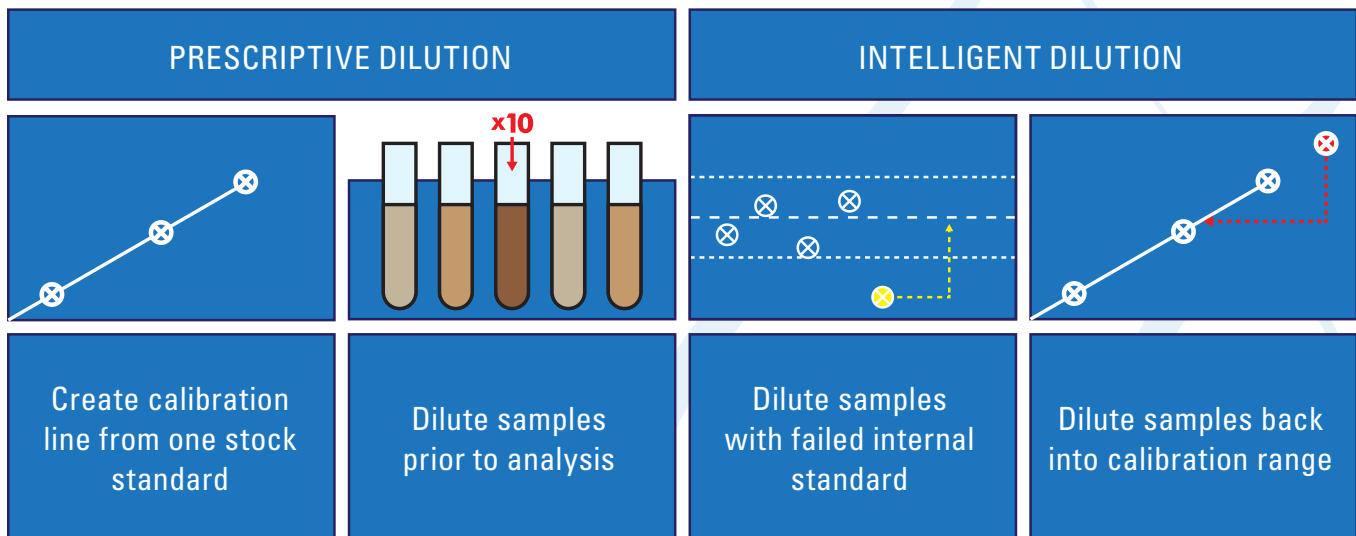




SDX_{HPLC} Features at a glance

- Modular Design – Upgradable, combine with enclosure and/or ASX_{PRESS PLUS}
- Vortex Mixing and Serial Dilutions
 - » Homogenous dilutions up to 5000x
- Typical Analytical Results
 - » Carryover <0.01%
 - » Precision <0.5% at 10x Dilutions
 - » Accuracy 100% ± 3%
 - » Linearity $r^2 = >0.9995$ over wide ranges
- Applications include EPA, USP, Water, Geological, Industrial

Why Auto-Dilution?



Fully Integrated with Thermo Scientific Qtegra Software!

Label	Status	Rack	Vial	Autodilution Factor	Dilution Factor	Total Dilution Factor	Sample Type
Dummy	●	Standard	1	1	1	1	1 UNKNOWN
blk	●	Standard	1	1	1	1	1 BLK
std 1	●	Standard	2	100	1	100	100 STD
std 2	●	Standard	2	20	1	20	20 STD
std 3	●	Standard	2	10	1	10	10 STD
QC blank	●	1	1	1	1	1	1 UNKNOWN
AQC	●	1	2	1	1	1	1 UNKNOWN
AQ 511 (12)	●	1	3	1	1	1	1 UNKNOWN
AQ 511 (12)	●+	1	3	42.154	1	42.154	42.154 UNKNOWN
AQ 511 (17c)	●	1	4	1	1	1	1 UNKNOWN
AQ 511 (17c)	●+	1	4	67.134	1	67.134	67.134 UNKNOWN
6708970	●	1	5	1	1	1	1 UNKNOWN
6708970	●+	1	5	2	1	2	2 UNKNOWN
6719144	●	1	6	1	1	1	1 UNKNOWN
6719144	●+	1	6	2	1	2	2 UNKNOWN
6719272	●	1	7	1	1	1	1 UNKNOWN
6719272	●+	1	7	2	1	2	2 UNKNOWN
AQC	1,017.492	204.666	50.309	99.803	49.203	2,095.497	202.160
AQ 511 (12)	1.950	1.519	-0.137	0.815	204.322	156.039	3,335.412
AQ 511 (12)	N/A	N/A	N/A	N/A	209.547	N/A	3,271.237
AQ 511 (17c)	14,235.590	3,229.337	-0.345	0.836	4,028.030	2,907.007	9,418.299
AQ 511 (17c)	14,246.381	3,445.088	N/A	N/A	4,191.793	N/A	9,918.082

Auto Calibration

Intelligent Dilution

Results Output