

Automatic sample dilution station

SamplePrep

The sample dilution station **SamplePrep** can be used for automatic sample (pre)dilution in the daily routine. The flexible software **EasyPrep** realizes following routines:

- Automatic (pre)dilution of sample series and single samples
- Preparation of single and mixed standards using a stock solution
- Adding standards to a sample

A dilution in more than one step is possible.

The sample lists and the protocols can be stored in a pdf-file and can be printed out.

The screenshot shows the EasyPrep software interface. The main window displays a table with columns: Export, State, Action, Pos., Sample type, Name, Description, Predilution, and Dilution. The table contains 11 rows of data, including dilution steps and standard additions. A 'Dilution' dialog box is open in the foreground, showing input fields for Available volume (15,500 ml), Dilution volume (0,64 ml), Dilution (25), Final volume (16 ml), and Residual volume (14,860 ml). The dialog also includes a 'Calculate' button and 'OK'/'Cancel' buttons.

Export	State	Action	Pos.	Sample type	Name	Description	Predilution	Dilution
<input checked="" type="checkbox"/>			E1	Sample	Test		1	
<input checked="" type="checkbox"/>		(2) Dilution	1	Sample	Test (Dil.: 10)			10
<input checked="" type="checkbox"/>		(3) Dilution	2	Sample	Test (Dil.: 20)			20
<input checked="" type="checkbox"/>		(4) Dilution	3	Sample	Test (Dil.: 100)			100
<input checked="" type="checkbox"/>			4	Empty				
<input checked="" type="checkbox"/>			5	Sample	Sample 7		1	
<input checked="" type="checkbox"/>		(5) Spike	6	Sample	Sample 7	Spiked: Nitrat: 50 mg/l		
<input checked="" type="checkbox"/>		(6) Spike	7	Sample	Sample 7	Spiked: Nitrat: 100 mg/l	1	
<input checked="" type="checkbox"/>			8	Empty				
<input checked="" type="checkbox"/>			9	std	Stamm	Nitrat: 1000 mg/l		
<input checked="" type="checkbox"/>		(1) Prep. std.	10	std	100 mg/l std.	Nitrat: 100 mg/l		
<input checked="" type="checkbox"/>			11	Empty				



The utilized autosampler can be used also together with the **FIA System** of **MLE**.