

# COST BENEFIT ANALYSIS

## SINGLE STEP® FILTER VIALS [PATENTED]

Cost Benefit Analysis of 1000 Thomson Filter Vials and an average cost of Mass Spec service contract for one month. Thomson Filter Vials save costly repairs and service issues. Costs may include column replacement, coring problems, and breakage of expensive needles, but are not limited too. Upfront filtration minimizes downtime of equipment. The high cost of service time, and productivity can be replaced with a Thomson SINGLE StEP® Filter vial. Don't risk your UPLC, HPLC, GC, LCMS or GCMS systems.

### SINGLE STEP FILTER VIALS

Thomson 35540-500 x 2 < \$2,500.00



< \$2,500.00

### MASS SPEC SERVICE CONTRACT\* / MONTH

Avg rate/hr \$150.00 : 36hr avg \$5,400.00

Needle: \$62.15 ea x 2/month \$124.30

Needle seat: \$78.65 ea x 2/mo \$157.30

Tubing: \$111.65 \$111.65

Rotor seal: \$103.00 ea x 2/mo \$206.00

Stator face: 170.40 ea x 2/mo \$340.80

MS Capillary: 91.80 ea x 2/mo \$183.60

Column: \$295.00 ea x 6 / mo \$1,770.00

**\$8,294.00**



# COST BENEFIT COMPARISON

## FILTER VIALS [PATENTED] & HPLC VIALS

Cost Benefit comparison of Thomson Filter Vial and standard HPLC vial for GCMS, LCMS, and UPLC systems. The Thomson Filter Vial eliminates the need for syringe filter, syringe, HPLC vial and HPLC cap. The chart below shows cost of parts, and the estimated labor saved by using the Thomson Filter Vial. Thomson Filter Vial is fast and eliminates HPLC downtime.

### SINGLE STEP FILTER VIALS

### HPLC VIALS

Thomson 35540-500	\$2.50 each	HPLC Vial	\$0.14
	↓	HPLC Cap	\$0.14
		Syringe	\$0.50
		Syringe Filter	\$2.00
Labor <sup>1</sup> (Time to complete)	\$0.42/use (15seconds)	Time	\$5.00/use (3min.)
	<b>\$2.92</b>		<b>\$7.78</b>

<sup>1</sup> Labor calculated at a standard rate of \$100/hour

