APPLICATION NOTE

CONCISE SEPARATIONS

DEASHING CARTRIDGE SYSTEM

Avoid the risk of damaging your valuable carbohydrate column with our new Deashing Cartridge System, specifically designed to protect expensive carbohydrate columns during analysis, increase column life, and aid in carbohydrate separations. Utilizing a mixed bed of anion and cation exchange resins, our new 3cm Deashing Cartridge is able to capture charged species that would otherwise poison the analytical column and impact your separations. And with its short pathlength, the cartridge yields 4 times less back pressure than comparable systems, which protects the analytical column longer.

Our new Deashing Cartridge System traps contaminants and particulates that typically foul the inlet frit or the polymeric bed of an analytical column. This helps keep peaks from broadening and assists in maintaining the highest resolution possible.

By removing charged molecules that can interfere with analysis, our Deashing Cartridge also keeps the analytical column in its original ligand form, thus extending column life. It also traps particulates that would harm the column and increase back pressure. Transferring that pressure away from the analytical column to the deashing cartridge reduces the chance of over-pressurizing, further extending the life of the analytical column. The ability of the Deashing Cartridge to trap contaminants also reduces the time spent on column maintenance, providing even more time for data analysis.

// FEATURES & BENEFITS //

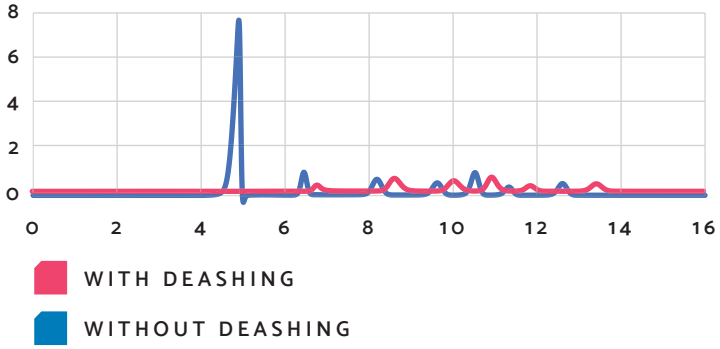
Particulates and charged species that would normally foul the inlet frit or top of the polymer bed are trapped inside the Deashing Cartridge

- 4x lower running back pressure than competitive products to protect expensive analytical columns and extend their life
- Reduces backpressure in the analytical column by transferring pressure to the Deashing Cartridge
- Preserves the column in its original ligand form
- Prevents peaks from broadening and maintains high resolution
- Decreases time spent on general column maintenance providing more time for analyses

CHROMATOGRAPHY
SEPARATIONS
REPRODUCIBILITY
PRECISION

focus

DEASHING CARTRIDGE SYSTEM //



// EASY TO USE //

- Mixed bed resin so only one cartridge needed
- Simple leak-free design requires no tools
- Quick exchange of spent Deashing Cartridge with finger-tight end caps
- Easy storage for later use by inserting, finger-tight column plugs
- No specific flow direction for foolproof assembly
- Couples directly to analytical column or outside column oven

// DEASHING CARTRIDGES ARE COST EFFECTIVE //

- Quick change-out of several Deashing Cartridges is more cost effective than purchasing a new analytical column
- Changing one Deashing Cartridge requires less time and resources than re-equilibration and standardization of new analytical column

// REMOVES CHARGED MOLECULES THAT CAN INTERFERE WITH SOME CARBOHYDRATE ANALYSIS //

- Reduces chances of co-elution of carbohydrates, which could lead to erroneous peak identification and quantification
- Ensures consistent peak retention times

PRODUCT NAME	PRODUCT NO.
Deashing Kit (holder and 2/pk of Deashing Cartridges)	PN: AXC-99-1520
Deashing Cartridges (2/pk)	PN: ICE-99-1550
Deashing Cartridge holder	PN: AXC-99-1500

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