



SOLGEL

capillary column
conditioning procedure

FIRST AGAIN

SOLGEL-1ms™ capillary column conditioning procedure

Congratulations on purchasing a SOLGEL-1ms™ column from SGE. All SGE capillary columns are conditioned prior to packaging, however, it is recommended to further condition your SOLGEL-1ms column before use.

This procedure, although time consuming, will not have to be repeated and will give you excellent low bleed levels for the lifetime of your column.

This conditioning procedure will only be required for the initial conditioning of the column. It is recommended that after reinstallation of the column a brief conditioning of 30 minutes at the maximum temperature should suffice before further use.

Please follow the few simple steps outlined below to condition your SOLGEL column:

After installing your SOLGEL column, set the gas inlet pressure to that stated in your method. Allow the column to equilibrate at approximately 40°C with carrier gas flowing through it for about 20 minutes. This purges the column of any residual air that may be in the column and will give the column an inert atmosphere before you begin conditioning. Follow the conditioning temperature program below for the best results when conditioning your SOLGEL-1ms column.

40°C, 20 min	$\xrightarrow{5^\circ\text{C}/\text{min}}$	100°C, 30 min	$\xrightarrow{5^\circ\text{C}/\text{min}}$	150°C, 30 min	
$\xrightarrow{5^\circ\text{C}/\text{min}}$	250°C, 40 min	$\xrightarrow{5^\circ\text{C}/\text{min}}$	300°C, 40 min	$\xrightarrow{5^\circ\text{C}/\text{min}}$	360°C, 30 min

Your column is now ready to use.

Remember the lower the operating temperature of the column, the longer the column will last.

SOLGEL-WAX™ capillary column conditioning procedure

Congratulations on purchasing a SOLGEL-WAX™ column from SGE. All SGE capillary columns are conditioned prior to packaging, however, it is recommended to further condition your SOLGEL-WAX column before use.

This procedure, although time consuming, will not have to be repeated and will give you excellent low bleed levels for the lifetime of your column.

This conditioning procedure will only be required for the initial conditioning of the column. It is recommended that after reinstallation of the column a brief conditioning of 30 minutes at the maximum temperature should suffice before further use.

Please follow the few simple steps outlined below to condition your SOLGEL column:

After installing your SOLGEL column, set the gas inlet pressure to that stated in your method. Allow the column to equilibrate at approximately 40°C with carrier gas flowing through it for about 20 minutes. This purges the column of any residual air that may be in the column and will give the column an inert atmosphere before you begin conditioning. Follow the conditioning temperature program below for the best results when conditioning your SOLGEL-WAX column.

40°C, 20 min	$\xrightarrow{5^\circ\text{C}/\text{min}}$	100°C, 30 min	$\xrightarrow{5^\circ\text{C}/\text{min}}$	150°C, 30 min	
$\xrightarrow{5^\circ\text{C}/\text{min}}$	200°C, 40 min	$\xrightarrow{5^\circ\text{C}/\text{min}}$	250°C, 40 min	$\xrightarrow{5^\circ\text{C}/\text{min}}$	280°C, 30 min

Your column is now ready to use.

Remember the lower the operating temperature of the column, the longer the column will last.



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