

# LAB NOTES

## Simplify the Process of HPLC Method Translation & Method Transfer



The ACE® LC Translator Tool has been designed to help simplify the process of HPLC method translation and method transfer. The tool uses the original method and column details as inputs, the new column format and additional parameters such as dwell volume. Translated methods are then automatically generated with no need for the user to manually carry out numerous calculations.

Also included are a number of useful tools for determining parameters such as dwell volumes, extracolumn volume and the number of column volumes that are required for method translation activities, along with other tools useful for everyday practical chromatography.

The screenshot shows the Avantor ACE LC Translator v1.5 web interface. At the top, the title 'Avantor® ACE® LC Translator' is displayed. Below the title is the Avantor logo and a brief description of the tool's purpose. A list of ten tools is presented in two columns, each with a number and a title. A green button labeled '\*Register for Future Updates\*' is located below the list. At the bottom, there is a copyright notice and contact information.

**Avantor® ACE® LC Translator** v1.5

This tool has been developed to help practicing chromatographer to efficiently translate and transfer LC methods between different format columns and different LC systems. Also included are a set of useful tools for the calculation of everyday chromatographic and method parameters. The various tools can be accessed via the links below.

**Tools (click to select)**

<b>1. Method Translation</b>	<b>6. Column Equilibration Calculator</b>
<b>2. Method Transfer</b>	<b>7. Buffer Calculator</b>
<b>3. Dwell Volume Calculator</b>	<b>8. Mobile Phase Consumption Calculator</b>
<b>4. Column Porosity Calculator</b>	<b>9. Avantor® ACE® Stationary Phase Guide</b>
<b>5. Extra Column Volume Calculator</b>	<b>10. Contact Us</b>

**\*Register for Future Updates\* - register to receive future updates to the ACE LC Translator**

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For more information contact: [chromsupport@avantorsciences.com](mailto:chromsupport@avantorsciences.com) or visit [vwr.com/ace](http://vwr.com/ace)

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