



Longer Column from the PQ Kit Used with HSQ Solutions - Tech Information

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 **You can use the 150 mm HPLC column with the HSQ kit solutions — with a few simple adjustments.**

If you're required to use the older 150mm PQ™ column instead of the standard 75mm HSQ™ column, the HSQ Kit can still be used effectively by modifying a few parameters in the included Excel spreadsheet.

Recommended Adjustments:

To ensure accurate results with the longer column, update the following settings: These changes compensate for the longer column length and lower flow rate, ensuring your qualification results remain valid and reliable.

Parameter	Original HSQ Setting	Adjusted for 150mm Column
Flow Rate	2.0 mL/min	1.0 mL/min
Retention Times	Standard	Multiply by 4×
Injection Volume	8 µL	Increase to 12 µL
Gradient Test Steps	5-minute steps	Extend to 10-minute steps (for systems with large dwell volumes)

Important Notes:

- All other test parameters and results remain unchanged between the HSQ and PQ kits.
- Using the 75mm HSQ column is recommended when possible, as it reduces run time by approximately 75%, saving time and resources.

 Click [HERE](#) for HSQ & PQ Kit ordering information and product images

Need help modifying the spreadsheet or optimizing your setup? Our technical team is here to assist!

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