



## Agilent mAb-Glyco Chip (G4240-64020) Quick Start Guide

### Important

The Agilent mAb-Glyco Chip Quick Start Guide is designed for fast and easy check of the HPLC-Chip/MS system before running the mAb-Glyco Chip. Incorrect system configuration can lead to signal loss or significant decrease in chip lifetime. For details please refer to the mAb-Glyco Chip User's Guide, P/N G4240-90020.

### Agilent mAb-Glyco Chip Acquisition Checklist

Please check the following points before running the mAb-Glyco Chip.

- ☐ Chip Cube is in backflush mode (User's Guide section 2).
- ☐ 8 µL injection loop (P/N G1375-87315) is installed (User's Guide section 2).
- ☐ The yellow 25 µm x 105 cm PEEK coated fused silica capillary (P/N G4240-87301) is installed between the Micro HiP Sampler and the Chip Cube (User's Guide section 2).
- ☐ The mAb-Glyco Chip Enablement Kit (G4240-64025) is installed (User's Guide section 2).
- ☐ Deglycosylation Buffer is installed on channel A1 of the Capillary Pump. Buffer is not older than 3 months and acetonitrile was added (User's Guide section 2 and 3).
- ☐ Chip.ini file and firmware have been updated (required only once, User's Guide section 2).
- ☐ Acquisition methods are copied into \MassHunter\Methods (User's Guide section 2 and 4)
- ☐ System has been initially conditioned, no parts in the sample flow have been changed since (User's Guide section 6).
- ☐ Correct method file is loaded (User's Guide section 4).
- ☐ Injection flush volume (IFV) is set to match method used (User's Guide section 4).
- ☐ Sample injection volume is set to 2 µL (User's Guide section 7).
- ☐ Chip was properly stored (User's Guide section 8).
- ☐ The sample has been centrifuged before injection.

### Agilent mAb-Glyco Chip Data Analysis Checklist

Please check the following points before analyzing mAb-Glyco Chip data.

#### Before starting Mass Hunter Qualitative Analysis software

- ☐ Mass Hunter Analysis Software and the respective version of Personal Compound and Database Library Software are installed (User's Guide section 10).
- ☐ Data analysis method is copied into \MassHunter\Methods (User's Guide section 4 and 10)
- ☐ Reporting templates *Glycan\_Template\_Letter.xltx* and *Glycan\_Screening\_Template\_Letter.xltx* are copied into respective folders (User's Guide section 10)
- ☐ Service Pack 3 is installed (for MassHunter B.03.01 only) (User's Guide section 10).
- ☐ Glycan Database is installed (User's Guide section 10).

#### After starting Mass Hunter Qualitative Analysis software

- ☐ The method *Agilent mAb\_Glycan\_DataAnalysis.m* is loaded (User's Guide section 10).
- ☐ *Agilent mAb\_Glyco\_AM\_PCD.cdb* file is defined as database (User's Guide section 10).
- ☐ Compound reporting template is defined (User's Guide section 10).
- ☐ Sample file to be analyzed is not write-protected.



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## Do not use Carryover Reduction as it will result in Time Table Errors

Sample | Properties | 1260 µHiP ALS | 1260 NanoPump | 1260 CapPump | **1260 ChipCube** | MS Q-TOF

Chip & Time | **TimeTable**

	Time	Inner valve	Outer valve
1	0	Analysis	Bypass
2	1	Analysis	Inline
3	1.1	Analysis	Bypass
4	5	Enrichment	Inline
5	6	Analysis	Inline

**Method Editor**

1260 ChipCube tab has errors. Please correct the errors and try again.

OK

Insert  
Append  
Cut  
Copy  
Paste  
Delete  
Check

**Errors caused by time table entries interfering with carryover reduction actions**

Sample | Properties | 1260 µHiP ALS | 1260 NanoPump | 1260 CapPump | **1260 ChipCube** | MS Q-TOF

Chip & Time | **TimeTable**

Chip ID: G4240-64021

Chip Valves:  
Inner Valve: Analysis  
Outer Valve: Inline

Stoptime:  
☐ As pump / injector  
☒ No Limit  
☐ 0.1 min

Posttime:  
☒ Off  
☐ 0 min

Gradient Delay Reduction:  
☒ Off  
☐ On

**Carryover Reduction**  
☒ Carryover Reduction  
Wash Cycles: 1

Solvent A:  
100.00 %  
1: ☒  
2: ☐

Solvent B:  
☐ Off  
1: ☒  
2: ☐

**Time required for Carryover Reduction is 5.20 minute(s).**

Sample | Properties | 1260 µHiP ALS | 1260 NanoPump | 1260 CapPump | **1260 ChipCube** | MS Q-TOF

Chip & Time | **TimeTable**

Chip ID: G4240-64021

**Untick this box to turn COR off**

Chip Valves:  
Inner Valve: Analysis  
Outer Valve: Inline

Stoptime:  
☐ As pump / injector  
☒ No Limit  
☐ 0.1 min

Posttime:  
☒ Off  
☐ 0 min

Gradient Delay Reduction:  
☒ Off  
☐ On

**Carryover Reduction**  
☐ Carryover Reduction  
Wash Cycles: 1

Solvent A:  
100.00 %  
1: ☒  
2: ☐

Solvent B:  
☐ Off  
1: ☒  
2: ☐

**Time required for Carryover Reduction is 5.20 minute(s).**



G4240-90021

Part Number: **G4240-90021**

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