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## Agilent G1367B 1200 Series High Performance Autosampler **Performance Specifications**

### ***Performance Specifications: Agilent 1200 Series High Performance Autosampler***

GLP features: Early maintenance feedback (EMF), electronic records of maintenance and errors

Communications: Controller-area network (CAN). R8232C, APG-remote standard, optional four external contact closures and BCD vial number output

Safety features: Leak detection and safe leak handling, low voltages in maintenance areas, error detection and display

Injection range: 0.1 — 100 pl in 0.1 pl increments Up to 1500 pl with multiple draw (hardware modification required)

Precision: Typically 0.26% RSD from 5 — 100 pl, Typically 1% RSD from

Pressure range: Sample viscosity range

Sample capacity: 2 X well plates (MTP), 10 X 2 ml vials, 108 x 2-mL vials, in 2 x 54 vial plate plus 10 additional 2 mL vials, 30 x 6-mL vials in 2 x 15 vial plate, plus 10 additional 2 mL vials, 54 Eppendorf tubes (0.5/1.5/2.0mL), in 2 x 27 Eppendorf tube plate. Also compatible with the Agilent 1200 Series sample capacity extension for further expansion of the sample capacity

Injection cycle time: Typically <30 s using following standard conditions: Default draw speed: 200 ul/min Default eject speed: 200 ul/min Injection volume: 5µl

Carry-over: Typically 0.01% using the following conditions: Column: 125 x 4 mm Hypersil ODS, 5 µm Mobile phase: Water/Acetonitrile 80/20 Flow rate: 1 ml/min Injection volume: 1 µl caffeine (1 mg/ml), 5 µl water to test carryover Outside wash of needle before injection: 20 sec with water using flush port

### ***Performance Specifications: Agilent 1200 Series High Performance Autosampler SL+***

GLP Features: Early maintenance feedback (EMF), electronic records of maintenance and errors

Communications: Controller-area network (CAN). R8232C, APG-remote standard, optional four external contact closures and BCD vial number output

Safety features: Leak detection and safe leak handling, low voltages in maintenance areas, error detection and display

Injection range: 0.1 — 40 µl in 0.1 µl increments Up to 100 µl with extended injection volume (hardware modification required)

Precision: Typically <0.25% RSD from 5— 40 µl, Typically 0.5% RSD from 2 — 5 µl, Typically 0.7% RSD from 1 — 2 µl volume. Measured with injections of benzylalcohol.

Pressure range: Up to 600 bar (8700 psi)

Sample viscosity range: 0.2 — 5 cp

Sample capacity: 2 X well plates (MTP) + 10 X 2 ml vials, 108 x 2-mL vials, in 2 x 54 vial plate plus 10 additional 2 mL vials, 30 x 6-mL vials, in 2 x 15 vial plate plus 10 additional 2 mL vials. 54 Eppendorf tubes (0.5/1.5/2.0mL) in 2 X 27 Eppendorf tube plate. Also compatible with the Agilent 1200 series sample capacity extension for further expansion of the sample capacity.

Injection Cycle time: Typically <17 s using following standard conditions: Default draw speed: 100 µL/min Default eject speed: 100 µl

Carry-Over: Typically <0.004% using the following conditions:

- Column: Agilent Zorbax SB-C18, 21 X 50mm 1.8µm (p/n 827700-902)
- Mobile phase: A: H<sub>2</sub>O + 0.5% TFA, B: ACN + 0.045 TFA
- Gradient: 0.1 min 10% B, 3.1 min 90% B, 3.2 min 90% B, 3.21 10% B
- 4.5 min stop
- Flow rate: 0.5 ml/min
- Temperature: 25C
- Wavelength: 257 nm
- Sample: 1200 ng/ul Chlorhexidine (dissolved in H<sub>2</sub>O with 0.1% TFA), 1 ul injected and measured both on Agilent 6410 QQQ and G1315C DAD
- Wash Solution: H<sub>2</sub>O with 0.1% TFA (5 sec)

### ***Performance Specifications Agilent 1200 Series Micro Well Plate Autosampler***

GLP features: Early maintenance feedback (EIVIF), electronic records of maintenance and errors

Communications: Controller-area network (CAN). R8232C, APG-remote standard, optional four external contact closures and BCD vial number output

Safety features: Leak detection and safe leak handling, low voltages in maintenance areas, error detection and display

Injection range: 0.01-8µl in 0.01 µl increments with the small loop capillary 0.01-40 µl in 0.01 increments with the extended loop capillary

Precision: Typically <0.5% RSD of peak areas from 5-40µl, Typically <1% RSD from 1-5µl Typically <3% RSD from 0.2-1µl

Pressure range: up to 400 bar (5880 psi)

Sample viscosity range: 0.2-5 cp

Sample capacity:

- 2 X well-plates (MTP) + 10 X 2 ml vials
- 108 X 2mL vials in 2 X 54 vial plate plus 10 additional 2 mL vials
- 30 X 6 mL vials in 2 X 15 vial plate plus 10 additional 2 mL vials
- 54 Eppendorf tubes (0.5/1.5/2.0 mL) in 2 X 27 Eppendorf tube plate

Injection cycle time: Typically <30 s using following standard conditions: Default draw speed: 4 pl/min Default eject speed: 10 pl/min Injection volume: 0.1 ul

Carry-over: Typically <0.05% using the following conditions: Column: 150 x 0.5 mm Hypersil ODS, 3 pm  
Mobile phase: Water/Acetonitrile 85/15 Column Flow rate: 13 ul/min Injection. Volume: 1 ul caffeine (=25 ng caffeine), 1 ul water to test carryover. Outside wash of needle before injection: 20 sec with water using flush port.



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