

Performance Specifications for the Micro Collector/Spotter

Table 20 Performance Specifications Agilent 1200 Series Micro Collector/Spotter (G1364D)

Type	Specification
trigger modes	Time slices, Peak (threshold, up- /downslope), Timetable (combination of time intervals and peak) and Agilent 1200 UV-Vis detectors DAD G1315A/B, MWD G1365 A/B are fully supported. Other detectors with appropriate delay volumes can be connected through UIB interface.
operating modes	Above location Into location Liquid Contact Control: The tip of the fraction collector capillary will initially move down to the bottom of the well. Then it will slowly move upwards while the fraction is collected. The contact control mode enables the micro collector/spotter to collect fractions down to 2 µl in well plates or MALDI spots down to 100 nl
fraction vessel capacities and trays	<ul style="list-style-type: none"> • 4 well-plates full tray (MTP) with: 384 or 96-well plates (standard and conical shape) or 4 x 27, Eppendorf tubes (0.5, 1.5, 2.0 ml), MALDI Target Plates. • 2 x well-plates std. tray (MTP) + 10 x 2 ml vials (+ 1 half tray) with: 384 or 96-well plates (standard and conical shape) or 2x 27 ependorf tubes (0.5, 1.5, 2.0 ml),
MALDI Spotting plates (pre-configured)	<ul style="list-style-type: none"> • 96 Agilent plate for AP-MALDI • 100 Applied Biosystems, 2x96 Applied Biosystems, 192 Applied Biosystems, 400 Perseptive Biosystems • Micromass 80/96 spots • Bruker Anchor Chips 384/1536 spots
MALDI Plate Capacity	4 (3 for Bruker Anchor Chip 1536)
Minimum fraction volume	Typically 2 µl (depending on the fraction collection container)

Table 20 Performance Specifications Agilent 1200 Series Micro Collector/Spotter (G1364D) (continued)

Type	Specification
MALDI spot size	100-5000 nl (depending on the MALDI plate)
maximum spotting rate	20 spots/min (1spot/3s)
Maximum flow rate	100 µl/min
delay volumes [µl]	25 µm ID fraction collector capillary: ~0.25 50 µm ID fraction collector capillary: ~1 100 µm ID fraction collector capillary: ~5
cooling	Recommended (with additional G1330B)
maximum capacity	2 micro collector/spotter connected via 2-Position, 6-Port micro valve (G1162A)
GLP features	Early maintenance feedback (EMF), electronic records of maintenance and errors
interfaces	<ul style="list-style-type: none"> - Controller-area network (CAN). - optional; LAN or external contacts interface - RS232C, - APG-remote (for remote start / stop signals to / from other modules) - Interface to G1330A Thermostat - CAN-DC-out for operation of Agilent approved external devices like valves

NOTE

Only one type of well plate or MALDI plate can be used at a time in one tray.