



## ATS-100 Pre-Qualified Source Wellplates List

- ❖ Most acoustically compatible plates may be used as a source plate. Please inquire further for details.
- ❖ Any SBS/ANSI formatted plate (30.0mm stack-height and under) may be used as a destination plate.

### 96 Wells

#### Greiner Bio-One

- Greiner P/N: 675801, 96 Well ½ Area UV-Star 14.4 mm, Clear Plate, COC, Film-Bottom. ATS-100 usable volume: 8-55 µL

### 384 Wells

#### Nexus Biosystems/Aurora Biotechnologies

- Nexus/Aurora P/N: 32611, 384 IQ-LV 10.4 mm, Black/Clear Bottom, cyclo-olefin polymer (COP), 200µm film, Non-Sterile & treated, ATS-100 usable volume: 3-35 µL
- Nexus/Aurora P/N: 32711, 384 IQ-LV 10.4 mm, Black/Clear Bottom, cyclo-olefin polymer (COP), 200µm film, Non-Sterile & Untreated, ATS-100 usable volume: 3-35 µL
- Nexus/Aurora P/N: 31521, 384 IQ-SQ 14.4 mm, Black/Clear Bottom, cyclo-olefin polymer (COP), 100µm film, Non-Sterile & Untreated, ATS-100 usable volume: 8-55 µL

#### Corning Incorporated

- Corning P/N: 3711, 384 Assay Plate, 14.4 mm, Flat Bottom, Black/Clear Bottom, Polystyrene, Non-Sterile. ATS-100 usable volume: 5-30 µL

#### Greiner Bio-One

- Greiner P/N: 788876, 384 Well, 7.5 mm, Clear [bottom]-Plate, COC, Lobase (7.5 mm tall), ATS-100 usable volume: 1.5-18 µL
- Greiner P/N: 781801, 384 Well UV-Star 14.4 mm, Clear Plate, COC, Film-Bottom, ATS-100 usable volume: 8-55 µL
- Greiner P/N: 781201-906, 384 Well Polypropylene 14.4 mm, Clear Plate and Bottom, ATS-100 usable volume: 8-55 µL

### 1536 Wells

#### Nexus Biosystems/Aurora Biotechnologies

- Nexus/Aurora P/N: 17830, 1536 ChemLib 8.5 mm, Clear Bottom, cyclo-olefin polymer (COP), Non-Sterile & Untreated. ATS-100 usable volume: 1.0-6.5 µL
- Nexus/Aurora P/N: 19344, 1536K (Kalypsis) 7.5 mm, Clear Bottom, cyclo-olefin polymer (COP), Non-Sterile & Untreated. ATS-100 usable volume: 1.0-10 µL
- Nexus/Aurora P/N: 27830, 1536 MaKO 8.5 mm, Clear Bottom, cyclo-olefin polymer (COP), Non-Sterile & Untreated. ATS-100 usable volume: 1.0-6.5 µL

#### Corning Incorporated

- Corning P/N: 3730, 1536 Assay Plate, 14.4 mm, Flat Bottom, Clear/Clear Bottom, COC, Non-Sterile. ATS-100 usable volume: 0.5-10 µL

#### Greiner Bio-One

- Greiner P/N: 792870, 1536 Well, 13.2 mm, Clear [bottom]-Plate, COC, ATS-100 usable volume: 2-8 µL

### 3456 Wells

#### Nexus Biosystems/Aurora Biotechnologies

- Nexus/Aurora P/N: 17829, 3456 ChemLib 8.5 mm, Clear Bottom, cyclo-olefin polymer (COP), Non-Sterile & Untreated. ATS-100 usable volume: 0.4-1.25 µL
- Nexus/Aurora P/N: 27829, 3456 MaKO 8.5 mm, Clear Bottom, cyclo-olefin polymer (COP), Non-Sterile & Untreated. ATS-100 usable volume: 0.4-1.25 µL

## ATS-100 vs. Other Solutions

	ATS-100	Other
<b>Technology:</b>		
1.	Fully user-tunable for new liquids. Extremely flexible and application friendly. Any liquid calibration can be used with almost any other type of liquid with high precision.	
2.	User-selectable and tunable unit drop volumes between 1 to 10nL.	
3.	Dispense range from 1nL to 2µL+. (Final dispense volumes greater than the unit drop volume are formed from multiple unit drops. Larger volumes increase transfer times.)	
4.	Use conventional off-the-shelf 96, 384, 1536, or 3456 wellplates as a SOURCE (subject to qualification). Dispense into or onto any SBS/ANSI-sized destination 14.4mm and shorter.	
5.	Accuracy and precision of <10% CV. True Non-contact Technology™ performance is unaffected by the remaining source volumes or empty neighboring wells.	
6.	Accuracy and precision of calibrations are unaffected by amount of instrument usage. There is no “burn in” period after dry storage or long idle cycle times.	
7.	Lowest true starting/dead-volumes (i.e., <0.5µL 3456; <1µL 1536; <2µL 384) in the industry.	
8.	Capable of continually dispensing liquid from any single source well from top to bottom without interruption.	
9.	Real-time measurement of all liquid levels in all source wells.	
10.	Uses low-energy acoustics. Safe for all biological fluids including cells in suspension.	
<b>User Interface:</b>		
11.	Fully customizable process map creation software to dispense any volume to any location included.	
12.	Built-in live video and external monitor is included. Fully open mechanical platform for easy robotic and manual access.	
13.	No requirement of external water recirculation/refrigeration bath or vacuum generators that require extra floor space for installation. Less maintenance.	
14.	Operation noise level is approximately equivalent to a PC computer. Important for the safety of daily operation and early detection of automation mechanical problems.	
<b>Cost of Ownership:</b>		
15.	The ATS-100 is the lowest cost instrument available among others capable of dispensing in the low nanoliter range.	
16.	Fully user-tunable for new liquids or other DMSO concentrations. No calibration fees.	
17.	Service maintenance packages are customizable to fit your needs.	
18.	No hidden consoles that require extra floor space or external vacuum source that needs to be installed.	