AccuSizer® A2000 MPA Microplate Particle Analyzer

Integrated microplate automated particle analyzer

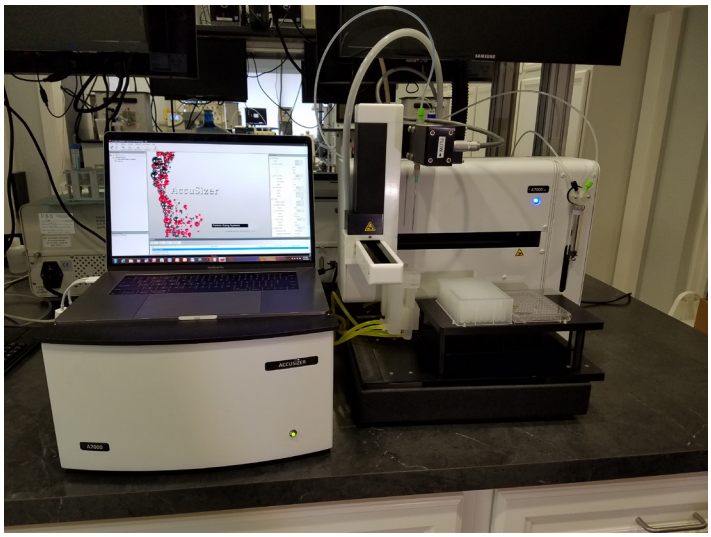
The AccuSizer® A2000 MPA is an automated microplate reader for performing particle count and size analysis. One or two 96 well microplates are loaded into the system and the AccuSizer single particle optical sizing (SPOS) technique generates results in particles/mL from 0.5 – 400 µm. Automated USP 787 calculations are reported along with detailed size distribution, if desired.

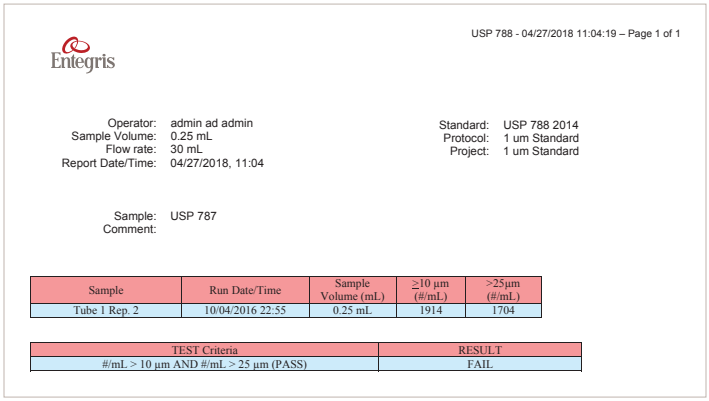
The system (images at right) consists of the following components:

- LE400-05 light extinction/scattering sensor
- Size range 0.5 – 400 µm
- Pulse height analyzer/counter
- Autosampler to transfer sample from microplate wells through sensor

Measurement procedure:

- Microplate is loaded onto autosampler
- User sets up measurement protocol and plate configuration
- Analysis started
- Sample needle moves to first position
- Sample mixed by push/pull, if desired
- Small volume aspirated through sensor for analysis
- Sample returned to well
- Needle moves to two washing stations to clean outside and inside
- Report(s) generated
- Repeat





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USP 788 - 04/27/2018 11:04:19 – Page 1 of 1

Operator: admin ad admin
Sample Volume: 0.25 mL
Flow rate: 30 mL
Report Date/Time: 04/27/2018, 11:04

Standard: USP 788 2014
Protocol: 1 um Standard
Project: 1 um Standard

Sample: USP 787
Comment:

Sample	Run Date/Time	Sample Volume (mL)	≥10 µm (#/mL)	>25µm (#/mL)
Tube 1 Rep. 2	10/04/2016 22:55	0.25 mL	1914	1704

TEST Criteria	RESULT
#/mL > 10 µm AND #/mL > 25 µm (PASS)	FAIL

FEATURES

- Mount one or two 96 well plates
- Well volume = 1 mL
- Minimum sample volume = 180 µL
- Analysis time including cleanup = 2 minutes
- Automated USP 787 calculations
- Data exported to Excel or LIMS
- Sample conservation

FOR MORE INFORMATION

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