For use in quality control/manufacturing process only.

Density Reference Standard Beads (DRSB)

Batch B

Version: 54

Content Version: May 2025

Beads for one-point density calibration.

Cat. No. 06 422 667 001 1 x 10 mL Batch B

Store the product at +2 to +8°C.

1. General Information

1.1. Contents

Vial / bottle	Label	Batch	Function / description	Content
1	Density Reference Standard Beads	B	Beads for one-point density calibration.	1 bottle, 10 mL

1.2. Storage and Stability

Storage Conditions (Product)

The product is stable at +2 to +8°C until the expiry date printed on the label, when handled as described in these Instructions for Use.
⚠ ***Do not freeze.***

1.3. Additional Equipment and Reagent required

Analyzer and accessories

- Cedex HiRes Analyzer*
- Cedex HiRes Reagent Kit*
- Cedex Sample Cups*

1.4. Applications

The Cedex HiRes Analyzer measures the cell density, also known as concentration, of a cellular suspension, along with its viability status and cell characteristics such as diameter and compactness. To check the correct calibration with regard to the density, use the Density Reference Standard Beads instead of an ordinary cell sample.

This product is traceable for the following aspects:
- Particle Size: NIST, USA
- Particle Concentration: Physikalisch-Technische Bundesanstalt, Berlin, Germany

The Density Reference Standard Beads (DRSB) are designed to mimic cell behavior in flow dynamics. Due to their size and optical properties, they will be detected as dead cells by the Cedex HiRes Software.

2. How to Use this Product

2.1. Before you Begin

General Considerations

There is no general advice with regard to how often or how many counts should be done to ensure that your analyzer is working correctly. Roche Diagnostics has had good results using the DRSB on a monthly basis, carrying out 10 samples per run with the Cedex HiRes Analyzer.

Acceptance range

Two factors influence the acceptance range for calibration with Density Reference Standard Beads in connection with the Cedex HiRes Analyzer.

Factor	Influenced by
Sample preparation	Mixing, pipetting, and pipette quality (precision, accuracy, service state) have been shown to add approximately 1.5 to 2% to the variability in density measurements.
Measurement precision	▪ Is based on the statistical nature of the measurement process. ▪ Depends on the density of the DRSB used, Cell Type parameter settings, and the level of precision used for the measurement.

Sampling quality

Sampling quality is essential for the evaluation of the status of the instrument. Consider the following:
- Do not freeze the beads; only store beads at +2 to +8°C.
- Acclimate beads to +23 to +27°C prior to use.
- Verify the correct weight of the unopened bottle; see bottle label.
- Use an ultrasonic bath for mixing.
- Rock the bottle gently, including rocking upside down.
- Do not withdraw more than 2 samples from the bottle without remixing.
- Use only calibrated pipettes.
- Only trained staff should perform sample preparation.

Working Solution

Preparation of the DRSB solution

1. Verify that the beads have been stored correctly at +2 to +8°C.

   ⚠ ***Do not freeze the beads.***

2. Verify that the bottle was securely closed before use.
   – Check the weight of the unopened bottle; the correct value is on the bottle label.

3. Allow the beads to acclimate to +23 to +27°C prior to use.

4. Shake the beads using an ultrasonic bath at +23 to +27°C and at the highest available intensity for 5 minutes.

   Cap should be slightly loosened but secured against falling over.

⚠ ***Ensure that no beads are sticking to the base or side of the bottle before use.***

The DRSB solution contains SDS, which may show signs of some coagulation or crystallization at low temperatures. Allow the beads to acclimate with occasional mixing at +25°C until the coagulation or crystallization disappears. Alternatively, gently roll the DRSB bottle between the palms of the hands until the coagulation has disappeared. As long as the DRSB solution has been allowed to acclimate to +23 to +27°C, and all steps in this Instructions for Use have been carried out, any remaining coagulation or crystallization will have no effect on the performance or quality of the DRSB solution when used in a Cedex HiRes Analyzer.

2.2. Protocols

Checking the FlowFactor (FF)

1. Pipette 1 sample of 0.3 mL DRSB into a Cedex Sample Cup* and immediately run the sample with factory settings for default Cell Type Std. Size.
   – Select the maximum possible setting for “precision”.

2. Mix the DRSB thoroughly, then pipette the next sample of 0.3 mL into a Cedex Sample Cup* and immediately run the sample.

3. Repeat this procedure until 10 samples are processed.

4. Calculate the mean value of the Total Cell Density (TCD) of the 10 samples used.

5. Calculate the relative standard deviation of the TCD values of the 10 samples used, and verify that the relative standard deviation is less than or equal to 5%.
   – Otherwise, the Cedex HiRes Analyzer, the beads, or the handling must be checked and the calibration must be repeated.

6. Calculate the deviation of the mean TCD value of the 10 samples used from the actual value which is given as Particle number/ml on the bottle of beads.

7. Verify that the deviation of the mean TCD value is less than or equal to 5%, or as specified by your requirements, from the actual value given on the bottle for the beads.
   – If the value falls outside of the acceptable range, skip to Step 9.

8. Close bottle tightly and store beads at +2 to +8°C.

   ⚠ ***Do not freeze the beads.***

   – The current FF is correct and no change is necessary.

9. If the mean value falls out of range, repeat Steps 1 to 5 using a second/different LOT (batch) of Density Reference Standard Beads.
   – Continue with Step 10.

10. Calculate the FlowFactor (FF) of each measurement series and the mean value of the two FFs, see section, **Adjusting the FlowFactor**.

11. Verify that the deviation of the two FFs from the mean value of the FFs are less than or equal to 5%.
    – Otherwise, the Cedex HiRes Analyzer, the beads, or the handling must be checked and the calibration must be repeated.

12. Calculate the new FF (mean value of the FFs), see section, **Adjusting the FlowFactor**, or follow your company’s requirements.

Adjusting the FlowFactor

The FlowFactor (FF) is analyzer specific and part of the conversion factor that relates the number of objects detected in the Cedex HiRes Analyzer to the actual density in the analyzed sample. The conversion factor is linearly dependent on the FlowFactor, allowing for the possibility to compute the appropriate setting for this parameter via the comparison of Cedex HiRes Analyzer results versus a known density of a sample, such as the Density Reference Standard Beads. Refer to the relevant Cedex HiRes Operator's Manual for the location of the current FlowFactor. The location depends on the installed Software version.

1. Write down the current FlowFactor (FFold) and calculate a new FlowFactor as follows:

$$FF\ (new_1) = \frac{\text{actual density (according to bottle label)}}{\text{mean value TCD of measurement series 1}} \times FF\ (old)$$

$$FF\ (new_2) = \frac{\text{actual density (according to bottle label)}}{\text{mean value TCD of measurement series 2}} \times FF\ (old)$$

("actual density" is specified as Particle number/ml on the label of the bottle of beads used for the calibration.)

$$\textbf{FF (new)} = \frac{FF\ (new_1) + FF\ (new_2)}{2}$$

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2. Refer to the relevant Cedex HiRes Operator's Manual for information about the location of the FlowFactor.
   – Update the FlowFactor in that location based on the result calculated in Step 1.

FlowFactor calibration

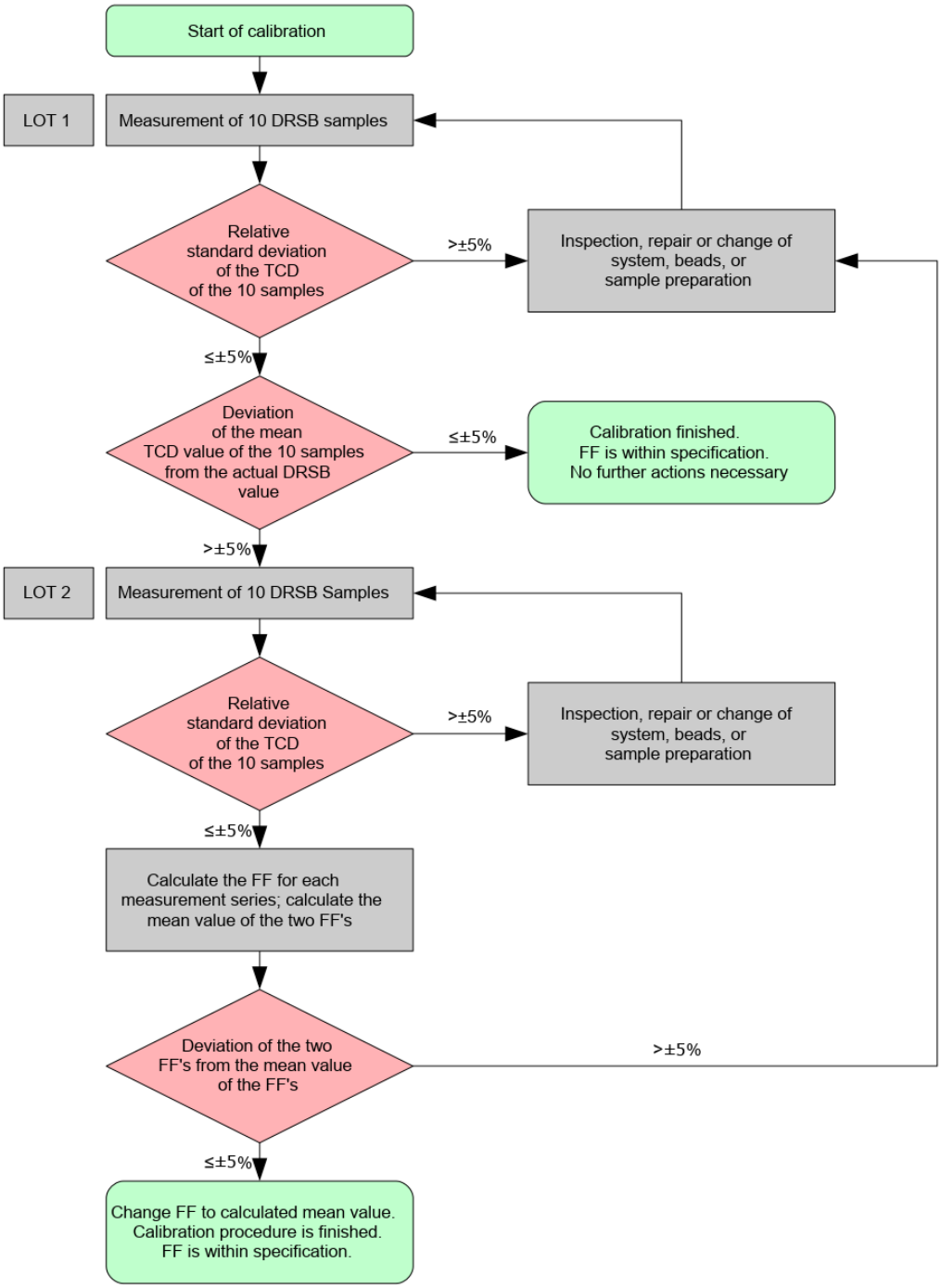

Fig. 1: Calibration of Cedex HiRes Analyzer

3. Supplementary Information

3.1. Conventions

To make information consistent and easier to read, the following text conventions and symbols are used in this document to highlight important information:

Text convention and symbols	
Information Note: Additional information about the current topic or procedure.	
Important Note: Information critical to the success of the current procedure or use of the product.	
① ② ③ etc.	Stages in a process that usually occur in the order listed.
❶ ❷ ❸ etc.	Steps in a procedure that must be performed in the order listed.
* (Asterisk)	The Asterisk denotes a product available from Roche Diagnostics.

3.2. Changes to previous version

Updated to include lot-specific data for new lot.

3.3. Ordering Information

Product	Pack Size	Cat. No.
Consumables		
Cedex Sample Cups	500 cups	05 650 623 001
Instruments		
Cedex HiRes Analyzer	1 instrument	05 650 216 001

3.4. Trademarks

CEDEX is a trademark of Roche.
All other product names and trademarks are the property of their respective owners.

3.5. License Disclaimer

Consult product detail pages at **custombiotech.roche.com** for patent license limitations, if available.

3.6. Regulatory Disclaimer

For use in quality control/manufacturing process only.

3.7. Safety Data Sheet

Please follow the instructions in the Safety Data Sheet (SDS).

3.8. Contact and Support

For additional documentation such as certificates and safety data sheets, please visit **documentation.roche.com**.

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4. Lot-Specific Data

Density Reference Standard Beads, Batch B	
REF	06 422 667 001
	54
valid for LOT	57130119
	Oct 2026

In this chapter, you will find lot specific data about your product. The table below provides the following information for each bottle produced for this lot.

Column 1: Bottle No. for the bottle.
Column 2: Actual concentration expressed in particle number/mL for the bottle.
Column 3: Total weight of bottle, including bottle, contents, and label.
Column 4: Check Box for marking which bottle was received.

Standard labeling assay

Use this table as follows

1. Print out the table.
2. Find the bottle number on the bottle label as shown in Figure 2.
3. Place a check mark in the “Bottle Received” column to mark the specific bottle received for future reference.

This product is traceable in the following aspects:
- *Particle Size: NIST, USA*
- *Particle Concentration: Physikalisch-Technische Bundesanstalt, Berlin, Germany*

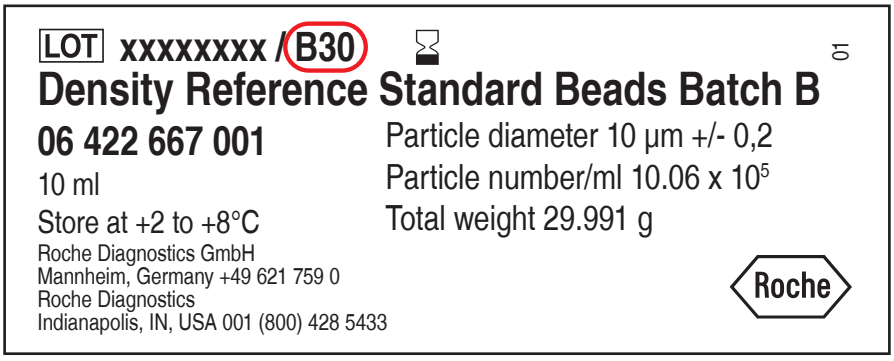

Fig. 2: Example of how to find the bottle number on the bottle label. The bottle number is circled.

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B1	10.01	31.005	
B2	10.02	31.756	
B3	10.19	31.218	
B4	9.96	31.418	
B5	10.05	31.230	
B6	10.00	31.490	
B7	9.99	31.611	
B8	10.01	31.348	
B9	10.09	31.953	
B10	10.18	31.201	
B11	10.12	31.235	
B12	10.06	31.271	
B13	10.04	30.834	
B14	10.00	31.265	
B15	10.13	30.913	
B16	10.08	31.199	
B17	10.07	31.223	
B18	10.01	31.071	
B19	10.00	30.905	
B20	10.12	31.275	
B21	10.00	30.876	
B22	10.05	31.431	
B23	10.08	31.397	
B24	10.01	31.028	
B25	10.00	31.172	
B26	10.08	31.355	
B27	10.15	31.306	
B28	10.07	31.406	
B29	10.07	31.389	
B30	9.92	31.461	
B31	10.11	31.469	
B32	10.05	31.156	
B33	9.90	31.227	
B34	10.09	31.287	
B35	9.95	31.270	
B36	10.20	31.512	
B37	10.06	31.480	
B38	9.96	31.436	
B39	10.15	31.597	
B40	10.05	31.522	
B41	9.99	31.350	
B42	10.13	31.495	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B43	10.04	32.201	
B44	10.00	31.432	
B45	9.88	31.440	
B46	10.05	31.538	
B47	9.99	31.491	
B48	9.93	31.692	
B49	10.08	31.514	
B50	9.93	31.777	
B51	9.99	31.543	
B52	10.08	31.605	
B53	9.93	31.363	
B54	10.10	31.205	
B55	9.89	31.321	
B56	10.04	31.506	
B57	10.00	31.460	
B58	9.97	31.605	
B59	10.05	31.450	
B60	9.96	31.568	
B61	10.00	31.565	
B62	10.06	31.344	
B63	10.00	31.641	
B64	9.98	31.266	
B65	10.13	31.581	
B66	10.20	31.450	
B67	10.00	31.298	
B68	9.94	31.851	
B69	9.95	30.815	
B70	10.04	31.396	
B71	10.05	31.702	
B72	9.84	31.641	
B73	9.93	31.266	
B74	10.00	31.471	
B75	9.98	31.686	
B76	9.97	31.556	
B77	9.97	31.389	
B78	9.94	31.280	
B79	10.01	31.411	
B80	9.96	31.292	
B81	10.05	31.218	
B82	9.94	31.528	
B83	9.95	31.472	
B84	10.06	31.387	

4. Lot-Specific Data

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B85	10.18	31.541	
B86	9.96	31.630	
B87	9.97	31.646	
B88	10.01	31.355	
B89	9.95	31.602	
B90	10.00	31.571	
B91	10.01	31.723	
B92	9.91	31.419	
B93	9.97	31.746	
B94	9.95	31.650	
B95	9.94	31.376	
B96	10.00	31.230	
B97	9.93	31.462	
B98	9.86	31.525	
B99	9.93	31.749	
B100	9.97	31.406	
B101	10.04	30.894	
B102	10.02	31.174	
B103	10.10	31.177	
B104	10.06	31.035	
B105	10.00	30.877	
B106	9.96	30.890	
B107	10.08	30.958	
B108	10.04	31.472	
B109	10.16	30.824	
B110	10.07	31.247	
B111	9.94	31.008	
B112	10.01	30.904	
B113	10.14	31.168	
B114	9.99	30.906	
B115	10.03	30.933	
B116	10.09	30.955	
B117	10.06	31.181	
B118	10.02	31.920	
B119	9.96	30.957	
B120	10.11	30.859	
B121	10.03	30.916	
B122	10.11	30.968	
B123	10.01	30.966	
B124	9.92	30.969	
B125	9.91	31.059	
B126	10.05	30.915	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B127	10.00	31.051	
B128	10.11	31.339	
B129	9.99	30.988	
B130	10.14	30.920	
B131	10.02	30.851	
B132	10.06	30.973	
B133	10.04	30.923	
B134	10.00	30.928	
B135	10.00	30.981	
B136	10.04	31.279	
B137	10.07	30.997	
B138	10.06	31.125	
B139	10.01	30.952	
B140	10.15	30.968	
B141	9.94	30.964	
B142	9.96	31.049	
B143	9.95	31.067	
B144	10.10	31.077	
B145	10.14	31.025	
B146	10.11	31.043	
B147	9.91	31.126	
B148	9.99	31.122	
B149	10.13	31.112	
B150	10.08	30.923	
B151	10.19	30.962	
B152	10.12	30.979	
B153	10.09	31.089	
B154	10.01	31.276	
B155	9.94	31.320	
B156	10.14	30.959	
B157	10.01	30.917	
B158	10.11	30.834	
B159	9.96	31.039	
B160	10.05	31.348	
B161	10.14	31.046	
B162	10.07	31.149	
B163	10.18	31.133	
B164	10.05	30.943	
B165	10.05	30.958	
B166	10.10	31.180	
B167	10.03	31.028	
B168	10.12	31.037	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B169	10.16	30.849	
B170	10.05	30.920	
B171	10.12	31.074	
B172	10.02	30.970	
B173	10.08	31.000	
B174	9.98	30.862	
B175	10.15	31.089	
B176	9.99	30.855	
B177	10.01	30.983	
B178	10.03	30.884	
B179	9.92	30.936	
B180	9.98	31.354	
B181	9.98	31.143	
B182	9.94	30.910	
B183	10.05	31.133	
B184	10.07	31.055	
B185	10.06	30.919	
B186	10.08	30.957	
B187	10.05	30.980	
B188	9.96	31.043	
B189	10.19	31.165	
B190	10.11	30.905	
B191	10.04	30.955	
B192	10.06	31.019	
B193	10.11	30.934	
B194	10.11	31.089	
B195	10.08	31.137	
B196	10.02	31.310	
B197	9.95	31.335	
B198	10.16	31.430	
B199	9.96	31.347	
B200	10.11	30.933	
B201	10.03	30.950	
B202	10.02	31.314	
B203	10.02	31.030	
B204	10.00	31.081	
B205	9.97	31.134	
B206	9.96	31.190	
B207	9.95	30.829	
B208	9.88	31.205	
B209	10.09	31.016	
B210	9.99	30.957	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B211	10.08	31.122	
B212	10.06	30.959	
B213	10.08	31.165	
B214	10.09	31.255	
B215	10.06	30.948	
B216	10.06	31.290	
B217	10.14	31.185	
B218	10.11	31.022	
B219	10.15	30.979	
B220	9.97	31.157	
B221	9.99	31.442	
B222	10.17	31.130	
B223	10.11	31.294	
B224	10.06	31.286	
B225	10.02	31.038	
B226	10.07	31.406	
B227	10.00	31.396	
B228	9.91	31.608	
B229	10.07	31.251	
B230	10.07	31.180	
B231	9.98	31.058	
B232	10.17	30.907	
B233	9.99	31.301	
B234	10.03	31.151	
B235	10.10	31.008	
B236	10.04	31.175	
B237	9.96	31.162	
B238	10.05	31.116	
B239	10.02	31.367	
B240	9.93	31.208	
B241	10.10	31.066	
B242	9.99	31.266	
B243	10.11	31.084	
B244	10.18	31.280	
B245	10.09	31.030	
B246	10.02	31.218	
B247	10.08	31.271	
B248	10.06	31.167	
B249	9.95	31.183	
B250	10.06	31.021	
B251	10.09	30.933	
B252	10.14	30.985	

4. Lot-Specific Data

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B253	10.08	31.238	
B254	10.06	31.151	
B255	9.98	31.263	
B256	10.19	30.936	
B257	10.10	31.069	
B258	9.91	31.336	
B259	9.98	30.993	
B260	10.00	31.036	
B261	10.02	31.158	
B262	10.07	31.056	
B263	9.96	31.207	
B264	9.95	31.141	
B265	10.08	31.201	
B266	10.16	31.167	
B267	10.01	31.242	
B268	9.98	31.074	
B269	9.95	31.156	
B270	10.06	31.221	
B271	10.13	31.261	
B272	10.13	31.163	
B273	10.03	31.331	
B274	10.15	31.025	
B275	10.08	31.227	
B276	9.97	31.502	
B277	10.08	31.126	
B278	10.13	31.431	
B279	10.03	31.187	
B280	9.95	31.202	
B281	10.00	31.262	
B282	10.07	31.198	
B283	9.92	31.077	
B284	10.14	30.918	
B285	10.02	31.373	
B286	9.97	31.031	
B287	10.09	31.164	
B288	10.00	31.395	
B289	10.01	31.329	
B290	9.99	31.224	
B291	10.10	31.391	
B292	10.06	31.297	
B293	10.11	31.163	
B294	10.04	31.172	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B295	10.00	31.332	
B296	9.98	31.337	
B297	9.96	31.153	
B298	9.92	31.381	
B299	10.05	31.436	
B300	9.99	31.271	
B301	10.02	31.262	
B302	10.03	31.365	
B303	10.07	31.116	
B304	10.09	31.325	
B305	10.09	31.081	
B306	10.15	31.318	
B307	9.99	31.218	
B308	10.08	31.547	
B309	10.13	31.294	
B310	9.89	31.931	
B311	10.09	31.278	
B312	10.05	31.272	
B313	10.02	31.075	
B314	10.09	31.402	
B315	9.91	31.271	
B316	10.09	31.331	
B317	10.09	31.311	
B318	10.11	31.166	
B319	10.02	31.043	
B320	10.11	31.171	
B321	9.97	31.367	
B322	10.02	31.192	
B323	10.13	31.149	
B324	10.14	31.083	
B325	10.08	31.095	
B326	10.11	31.211	
B327	10.08	31.194	
B328	10.13	31.081	
B329	10.14	31.217	
B330	10.11	31.228	
B331	9.99	31.175	
B332	10.05	30.732	
B333	10.12	31.159	
B334	10.17	31.166	
B335	10.07	30.975	
B336	10.09	31.158	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B337	10.07	31.083	
B338	10.09	31.051	
B339	10.00	31.124	
B340	10.11	31.233	
B341	10.04	31.077	
B342	10.11	31.171	
B343	10.01	31.237	
B344	10.17	31.339	
B345	10.08	31.360	
B346	10.06	31.429	
B347	10.08	31.406	
B348	10.04	31.398	
B349	10.12	31.397	
B350	10.07	31.533	
B351	10.11	31.172	
B352	9.90	31.271	
B353	9.91	31.233	
B354	10.06	31.179	
B355	10.07	31.154	
B356	10.05	31.070	
B357	10.07	31.147	
B358	10.13	31.193	
B359	10.18	31.180	
B360	10.08	31.153	
B361	10.05	31.429	
B362	10.00	31.416	
B363	10.09	31.751	
B364	10.14	31.166	
B365	10.05	30.943	
B366	10.08	31.352	
B367	10.03	31.518	
B368	10.15	31.025	
B369	10.07	31.094	
B370	10.11	31.342	
B371	10.07	31.366	
B372	10.06	31.158	
B373	10.01	31.065	
B374	10.11	31.114	
B375	10.02	31.273	
B376	10.00	31.382	
B377	9.97	31.099	
B378	10.15	31.141	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B379	10.12	31.089	
B380	10.10	31.222	
B381	10.11	30.928	
B382	10.14	31.213	
B383	10.01	31.486	
B384	10.04	31.181	
B385	10.13	31.166	
B386	10.12	31.396	
B387	10.05	32.180	
B388	10.12	30.946	
B389	10.15	31.246	
B390	9.99	31.405	
B391	10.06	31.350	
B392	10.15	31.272	
B393	9.99	31.317	
B394	10.05	31.328	
B395	10.08	31.178	
B396	10.17	31.124	
B397	10.12	31.245	
B398	10.10	31.043	
B399	10.06	31.425	
B400	10.05	31.341	
B401	10.03	31.311	
B402	10.03	31.104	
B403	10.02	31.151	
B404	10.09	31.313	
B405	10.07	31.073	
B406	10.20	31.069	
B407	9.96	31.020	
B408	10.07	31.035	
B409	10.12	31.214	
B410	10.08	31.241	
B411	10.00	31.158	
B412	10.03	30.821	
B413	10.11	31.049	
B414	9.98	31.290	
B415	10.01	31.158	
B416	10.04	31.103	
B417	10.15	31.050	
B418	10.02	31.146	
B419	10.15	31.214	
B420	10.16	31.336	

4. Lot-Specific Data

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B421	10.13	31.261	
B422	10.02	30.968	
B423	9.99	31.084	
B424	10.04	31.421	
B425	10.17	31.152	
B426	10.09	31.227	
B427	10.16	31.499	
B428	10.06	31.129	
B429	9.91	31.390	
B430	9.95	31.215	
B431	10.00	31.200	
B432	10.04	31.175	
B433	9.95	30.796	
B434	10.00	31.151	
B435	10.09	31.208	
B436	9.97	31.159	
B437	10.05	31.229	
B438	10.12	31.046	
B439	10.05	30.813	
B440	10.01	31.429	
B441	10.16	30.942	
B442	10.04	31.172	
B443	10.13	31.217	
B444	10.10	31.041	
B445	10.05	31.078	
B446	10.07	30.899	
B447	9.95	31.112	
B448	9.92	31.332	
B449	10.04	31.142	
B450	9.99	31.215	
B451	10.05	30.955	
B452	10.03	31.328	
B453	10.13	31.153	
B454	9.94	31.194	
B455	10.12	31.177	
B456	9.94	31.182	
B457	10.11	31.298	
B458	10.02	31.061	
B459	10.09	30.886	
B460	10.14	31.127	
B461	10.07	31.121	
B462	9.92	31.273	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B463	10.02	31.179	
B464	9.96	31.147	
B465	10.00	31.212	
B466	9.95	31.182	
B467	10.03	31.238	
B468	10.07	31.099	
B469	9.95	31.283	
B470	9.97	31.146	
B471	10.02	31.042	
B472	10.16	31.070	
B473	10.09	30.981	
B474	9.94	31.247	
B475	9.96	31.267	
B476	10.04	31.240	
B477	9.98	31.269	
B478	9.92	31.353	
B479	10.01	31.141	
B480	10.02	31.182	
B481	9.95	31.238	
B482	9.95	31.165	
B483	9.98	31.239	
B484	10.13	31.190	
B485	10.04	31.090	
B486	10.01	31.073	
B487	10.08	31.168	
B488	10.03	31.053	
B489	10.10	31.039	
B490	10.08	31.264	
B491	9.96	30.965	
B492	10.04	31.042	
B493	10.04	31.216	
B494	10.04	30.787	
B495	10.10	30.840	
B496	10.10	31.024	
B497	9.93	31.033	
B498	9.96	31.106	
B499	10.08	30.997	
B500	10.09	30.894	
B501	10.10	31.228	
B502	10.12	31.478	
B503	9.98	31.248	
B504	10.07	31.597	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B505	10.05	31.495	
B506	10.13	30.845	
B507	10.17	31.176	
B508	10.14	31.337	
B509	10.11	31.331	
B510	10.04	31.322	
B511	9.93	31.509	
B512	10.12	31.401	
B513	10.06	30.762	
B514	10.06	31.666	
B515	10.09	31.193	
B516	10.06	31.209	
B517	9.95	31.199	
B518	9.88	31.618	
B519	10.07	31.518	
B520	10.13	31.223	
B521	10.07	31.411	
B522	9.99	31.639	
B523	9.96	31.398	
B524	10.14	31.093	
B525	10.09	31.740	
B526	10.14	31.020	
B527	10.08	30.959	
B528	9.90	31.565	
B529	10.16	31.139	
B530	10.09	31.723	
B531	10.04	30.725	
B532	9.96	31.259	
B533	10.08	31.148	
B534	10.14	31.303	
B535	10.02	31.034	
B536	10.19	30.904	
B537	10.04	30.864	
B538	10.09	30.932	
B539	9.91	30.763	
B540	10.13	31.114	
B541	10.08	31.027	
B542	10.18	31.324	
B543	10.13	31.096	
B544	10.14	31.103	
B545	10.07	31.298	
B546	10.10	31.127	

ID-Nr. LOT 57130119	Concentration Particle number/mL (x 10^5)	weight (g)	Bottle received
B547	10.05	31.078	
B548	9.86	31.203	
B549	10.08	30.791	
B550	9.99	31.219	
B551	10.08	30.762	
B552	10.10	31.072	
B553	10.10	30.769	
B554	10.19	30.937	
B555	10.04	31.042	
B556	9.97	31.104	

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