Polystyrene Beads in a Trypan Blue Solution

Materials Supplied

Cat #	Bead diameter (µm)	Total Volume (mL)	Approx. Conc. (x 10^6 beads/mL)
B05-02-050	5	4	5
B10-02-020	10	4	2
B15-02-010	15	4	1

Procedure

1. Invert vial back and forth 10X.
   ***NOTE**: DO NOT shake bead solution as it will cause air bubbles to form.*
2. Vortex vial for 10 sec on high.
3. Invert vial back and forth 10X.
   ***NOTE**: DO NOT shake bead solution as it will cause air bubbles to form.*
4. Remove 20 µL of bead suspension from vial and load into a disposable counting chamber.
   ***NOTE**: Loading volume for Cellometer™ Ascend™ 8-chamber slide is 10 µL*
5. Insert slide chamber into Cellometer automated cell counting instrument.
6. Select appropriate Cell Type parameter:

Cat #	Bead diameter (µm)	Cell Type Parameter
B05-02-050	5	Small Cell Size
B10-02-020	10	Medium Cell Size
B15-02-010	15	Large Cell Size

7. Preview image.
8. Adjust focus, as needed.
9. Click **Count**.
10. Confirm bead concentration is within the lot specific *CofA.*
    ***NOTE**: If bead concentration does not fall within the expected range, ensure image is in focus and beads are mostly counted. Contact Revvity Support if assistance is required.*

Store at RT (10 to 30 °C)
For Research Use Only

www.revvity.com/cellcountingreagents
Email: *USCAN.service@revvity.com*