Genlantis
A division of Gene Therapy Systems, Inc.

EZ-Spread™ Plating Beads

Cat. No. C400050 Single-Use Tubes
Cat. No. C400100 Dispenser Bottle

Product Summary

Cat. No: C400050
Description: EZ-Spread™ Plating Beads Single-Use Tubes (Sterile). Each box contains 50 tubes for 50 platings.

Cat. No: C400100
Description: EZ-Spread™ Plating Beads Dispenser Bottle (Sterile). Each bottle contains sufficient beads for approximately 100 standard 100 mm agar plates.

Store both products at room temperature.

INTRODUCTION

EZ-Spread™ Plating Beads are specifically designed for convenient, safe, and optimal plating of bacterial and yeast cells on standard agar plates. The EZ-Spread™ glass beads have been manufactured using special molds to give consistent shape and diameter that yield optimal plating efficiencies, often times exceeding the traditional method using bent glass rods The EZ-Spread™ Plating Beads offer the following benefits:

- Sterile plating in just seconds
- No need for glass rods and potentially hazardous ethanol flaming.
- More uniform spreading and more colonies
- Two choices of ready-to-use sterile packaging—dispenser bottle for spreading 100 plates or single-use tubes for 50 plating
- Fastest and easiest way to spread cells on multiple plates simultaneously

PROTOCOLS

EZ-Spread™ Glass Beads greatly simplify the process of plating cells making them faster, safer, easier, and more convenient. They are provided sterile and ready-to-use. For best results, use the following instructions.

For Single-Use Tubes

1. Gather materials under laminar flow hood. (Optional)
2. Remove needed number of tubes from box and lightly spray exterior of tubes with 70% ethanol solution.
3. Pipette 50 to 400 µl of transformed cells onto 100 mm Agar plate.
4. Open one tube and transfer EZ-Spread™ Plating Beads onto agar surface. Each tube contains approximately 20 sterile EZ-Spread™ Glass Beads. Discard empty tubes when done.

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5. Cover the plate and roll the beads around in a circular motion for about 30 seconds, or until the surface of the agar plate seems dry. If using more than one plate, stack covered plates up and roll the whole stack around with vigorous motion. The aim is to move the beads around the plates as evenly as possible so that the transformed cells spread uniformly across the entire surface of the agar plate.
6. Remove the lid(s) from the plate(s) and flip upside down to discard the beads into an appropriate hazardous waste container.

For dispenser bottles

1. Gather materials under laminar flow hood. (Optional)
2. Remove shrink-wrap from the lid and lightly spray with 70% ethanol solution; wipe with a napkin or tissue until dry.
3. Pipette 50 to 400 µl of transformed cells onto 100 mm agar plate.
4. Flip up desired side of lid for either bulk or slow dispensing of beads.
5. Tilt bottle upside down until approximately 20 beads are dispensed onto a standard 100 mm plate. Close dispenser lids to maintain sterility of contents as soon as finished with dispensing to maintain sterility of contents.
6. Cover the plate and roll the beads in a circular motion for about 30 seconds, or until the surface of the agar plate seems dry. If using more than one plate, stack covered plates up and roll the whole stack around with vigorous motion. The aim is to move the beads around the plates as evenly as possible so that the transformed cells spread uniformly across the entire surface of the agar plate.
7. Remove the lid(s) from the plate(s) and flip upside down to discard the beads into an appropriate hazardous waste container.

RELATED PRODUCTS

Description	Quantity	Catalog #
For efficient, 3-minute transformation of E. coli		
TurboCells™ Chemically Competent *E. coli*		
	20 x 50 µl	C300020
TurboCells™ F´ Chemically Competent *E. coli*		
	20 x 50 µl	C301020
TurboCells™ BL21(DE3) Chemically Competent *E. coli*		
	20 x 50 µl	C302020
TurboCells™ BL21(DE3)pLysS Chemically Competent *E. coli*		
	20 x 50 µl	C303020

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