ez accu shot™
STARVED CELLS

TEST-READY STARVED CELLS FOR GROWTH PROMOTION OF R2A MEDIA

Applications:

- Growth Promotion Testing of R2A media
- Media Challenge Testing
- Microbial Enumeration Testing
- Methods requiring a low CFU concentration

Product Details:

- 5 vials of a single, quantitated microorganism (1 lyophilized pellet per vial)
- Up to 50 tests per kit
- Instructions for Use

Technical Support Available:

Experts available for guidance at techsupport@microbiologics.com

Highlights:

- Designed for laboratories performing the Growth Promotion Test of R2A media according to the Japanese Pharmacopeia, JP G8 Water 4.4.2 Growth Promotion Test in both required strains
  - *Methylobacterium extorquens* derived from ATCC® BAA-2500™* (Catalog #01110SC)
  - *Pseudomonas protegens (G)* derived from ATCC® 17386™* (Catalog #0524SC)
- Delivers 50-200 CFU per inoculum on R2A media
- Ready-to-use, instant dissolve product is starved prior to lyophilization as required by the JP
- No dilutions required
- Packaged with 5 pellets, providing up to 50 tests, an economical quantity for labs of any size
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Authentic, traceable strains at three passages (or fewer) from reference culture – meets JP requirements

Microbiologics®

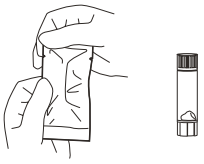
Suggested Protocol For Different Plating Techniques

Below is a suggested protocol for hydration and usage of the product with the Membrane Filtration, Pour Plate, and Spread Plate plating methods. This protocol uses an inoculum concentration of 50-200 CFU/1ml but other inoculum concentrations can be used depending on your laboratory SOP. Inoculating wet media may result in clumping or spreading colonies. For best results, dry media before inoculating. To begin, first hydrate the pellet:

1. Remove one foil pouch containing the lyophilized pellet from refrigerated storage. Allow the unopened pouch to equilibrate to room temperature (about 30 minutes).

2. Obtain 10 ml of sterile water for rehydration.

3. Tear open the foil pouch and remove the vial containing one lyophilized pellet.

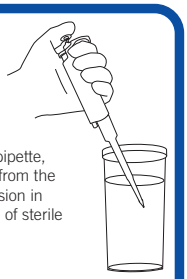


4. Remove the cap from the pellet vial. Tip 1 pellet into 10 ml sterile water. Only 1 pellet must be used to obtain the challenge concentration of 50-200 CFU per 1 ml on R2A media. Immediately recap the water.

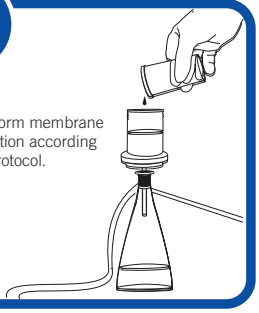
5. Vortex the hydrated material until the pellet has completely dissolved and the suspension is homogeneous.

MEMBRANE FILTRATION

6. Using a sterile pipette, transfer 1.0 ml from the hydrate suspension in step 5 to 100ml of sterile water. Mix.



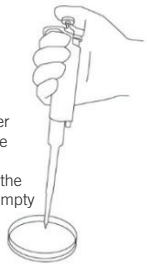
7. Perform membrane filtration according to protocol.



8. Transfer the filter to an R2A agar plate. Incubate according to your SOP. You will recover 50-200 CFU on R2A.

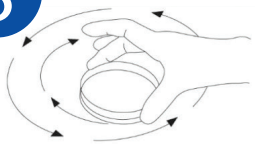
POUR PLATE

6. Using a sterile pipette, transfer 1.0 ml from the hydrated suspension to the bottom of an empty petri dish.

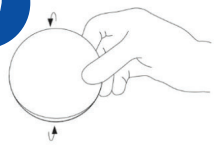


7. In accordance with your standards, pour 12-20 ml of molten agar over the inoculum.

8. Thoroughly mix the organisms throughout the agar by gently swirling the petri dish by alternate rotation.

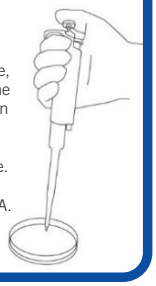


9. After the agar has hardened, invert the plates and incubate. You will recover 50-200 CFU on R2A.



SPREAD PLATE

6. With a sterile pipette, transfer 1.0 ml of the hydrated suspension to the R2A media. Spread suspension evenly and incubate. You will recover 50-200 CFU on R2A.



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