

## Cryopreserved rat astrocytes

### Introduction

Ready to use astrocytes are obtained from rat brain, passaged once and prepared as cell suspensions. Each vial contains approximately 1 million cells. The astrocytes can be easily thawed and cultured. The astrocytes can be harvested and re-plated or stored frozen for later use. The cells are shipped overnight on dry ice.

### Characterization of cells

The astrocytes are batch tested for growth characteristics and morphology (GFAP)

### Recommended media

The recommended media for the rat astrocyte cells is the AGM™ Bulletkit™. The Bulletkit™ contains a 500ml bottle of ABM™ and AGM™ SingleQuotes™.

### Performance

Recommended seeding density for subculture

| Volume of astrocyte plating media (AGM™) | Plating format       |
|--|----------------------|
| 9 ml                                     | 1 ml cell suspension |
| 5 ml cells + 3ml additional AGM™         | 50 ml flask          |
| 1 ml/well                                | 24-well plate        |
| 2 ml/dish                                | 35mm Petri dish      |

**NOTE:** For optimal performance, positively charged plasticware is recommended.

### Quality control

The cells test negative for mycoplasma and bacteria.

### Ordering information

|            |                            |                  |
|------------|----------------------------|------------------|
| R-CxAs-520 | Rat brain cortex (Cx)      | ≥1,000,000 cells |
| R-HiAs-521 | Rat brain hippocampus (Hi) | ≥1,000,000 cells |
| R-CpAs-522 | Rat brain striatum (Cp)    | ≥1,000,000 cells |
| R-AsM-530  | Rat Cx, Hi, Cp mixed       | ≥1,000,000 cells |
| CC-3186    | AGM™ BulletKit™            |                  |
| CC-3187    | ABM™ basal media           |                  |
| CC-4123    | AGM™ SingleQuotes™         |                  |

### Product warranty

**CULTURES HAVE A FINITE LIFESPAN *IN VITRO*.** Lonza guarantees cell performance only when the approved media and supplements are used. Please contact Lonza scientific support for further information on the approved media and supplements.

**THESE PRODUCTS ARE FOR RESEARCH USE ONLY.** Not approved for human or veterinary use, for application to humans or animals, or for use *in vitro* diagnostic or clinical procedures. **WARNING:** Handle as a potentially biohazardous material under biosafety level 1 containment. These cells are not known to contain an agent known to cause disease in healthy adult humans. These cells have not been screened for hepatitis B, human immunodeficiency viruses or other adventitious agents. If you require further information, please contact your site safety officer or scientific support.