xcellbio

AVATAR™ Cell Control System Consumables

Cell viability and growth is as dependent on media-formulated to meet your cells' needs, as it is on the right microenvironment. That's why Xcell Biosciences developed complete kits of application-specific reagents and consumables for the AVATAR™ Cell Control System platform.

Our medias are tailored for optimal cell health and expansion, while still maintaining cell state and composition.

Avatar's specialized media kits are optimized for specific cell types and include tumor/tissue dissociation buffers and xeno-free, chemically defined media optimized for rapid expansion of primary cells.

- **XENO-FREE**
- **OPTIMIZED**
- **EFFICIENT**
- **FLEXIBLE**

- Animal-component-free, chemically defined culture media
- Our medias are tailored for specific cell types
- Reach your target cell population accurately and rapidly
- Use your cells and our optimized protocols for a ready to go solution

Kits Available

XcellR8 Kit (Catalog #2001001)

Kit description: Base media kit promoting primary cell growth

Shipping Conditions: XCR basal media, and media supplement, and plating media are shipped ambient overnight

Shelf life: Mixed, XCR Basal Media and Xcell Plating Media have a 1 year shelf life when stored at 4C. XCR Media Supplement have a 2 year shelf life when stored at -20C or colder. When growth factor supplement is added to XCR Basal Media, the complete media has a 1 month shelf life at 4C. Frozen aliquots of the complete media can be stored for 6 months at -20C.

Included Components:

XCR Basal Media (2 x 500 mL)	Primary cell growth media basal component, to be stored at 4°C
XCR Media Supplement (2 x 1.5 mL vial)	Lyophilized primary cell media growth factor supplement to be added to XCR Basal Media, to be stored at -80°C
XCR Plating Media (1 x 500 mL)	Human serum blend combined with a proprietary basal media for primary cell plating, to be stored at 4°C

TcellR8 Kit (Catalog #2001006)

Kit description: Immune cell expansion kit

T-cell Media Supplement: A supplement to be added to XCR Basal Media for media optimal for immune cell expansion. This supplement contains a mix of growth factors plus a proprietary immune cell activating compound.

Shelf life: Expires after 1 year from date of manufacturing, if stored properly

Included Components:

XCR Basal Media (2 x 500 mL)	Primary cell growth media basal component, to be stored at 4°C
XCR Media Supplement (2 x 1.5 mL vial)	Lyophilized primary cell media growth factor supplement to be added to XCR Basal Media, to be stored at -80°C
T-cell Media Supplement (2 x 1.5 mL vial)	Lyophilized cytokine supplement for T-cell expansion, to be stored at -80°C

Dissoci8 Kit (Catalog #2001003)

Kit description: Gentle tissue/cell dissociation kit for tissue or tumor dissociation

Xport Buffer: Antibiotic/antifungal containing isotonic salt solution for sample transport prior to tissue dissociaiton and cell isolation

Enzymes: Two proprietary collagenase-based digest enzyme blends to be used in series for tissue dissociation

Shelf Life: Expires after 1 year from date of manufacturing, if stored properly

Included Components:

Tumor Xport Buffer (1 x 500 mL)	Antibiotic/antifungal containing isotonic salt solution, to be stored at 4°C
100X Enzyme A (2 x 50 mg vial)	Lyophilized vial of 100X Enzyme A (50 mg in individual vial), to be stored at -80°C
100X Enzyme B (2 x 50 mg vial)	Lyophilized vial of 100X Enzyme B (50 mg in individual vial), to be stored at -80°C

Dissoci8+ PLUS Kit (Catalog #2001004)

Kit description: Gentle tissue/cell dissociation kit for **tougher** tissue or tumor dissociation

Xport Buffer: Antibiotic/antifungal containing isotonic salt solution for sample transport prior to tissue dissociaiton and cell isolation

Enzymes: **Four** proprietary collagenase-based digest enzyme blends to be used in series for tissue dissociation

Shelf Life: Expires after 1 year from date of manufacturing

Included Components:

Tumor Xport Buffer (1 x 500 mL)	Antibiotic/antifungal containing isotonic salt solution, to be stored at 4°C
100X Enzyme A (2 x 50 mg vial)	Lyophilized vial of 100X Enzyme A (50 mg in individual vial), to be stored at -80°C
100X Enzyme B (2 x 50 mg vial)	Lyophilized vial of 100X Enzyme B (50 mg in individual vial), to be stored at -80°C
100X Enzyme C (2 x 50 mg vial)	Lyophilized vial of 100X Enzyme C (50 mg in individual vial), to be stored at -80°C
100X Enzyme D (2 x 50 mg vial)	Lyophilized vial of 100X Enzyme D (50 mg in individual vial), to be stored at -80°C

XCM Plate 12-Pack (Catalog #3001001)

Kit description: Collagen-based cell culture dishes optimized for primary cell growth

Shelf life: Expires after 1 year from date of manufacturing, if properly stored

Included Components:

XCM Plates (12 x 6-well plates)	Pack of 12 collagen-based substrates for adherent cell culture dishes (6-well format), to be stored at ambient

Xcell Biosciences Kits and Products are shipped overnight at ambient temperature

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