

Chemically Defined Biopsy Maintenance Medium

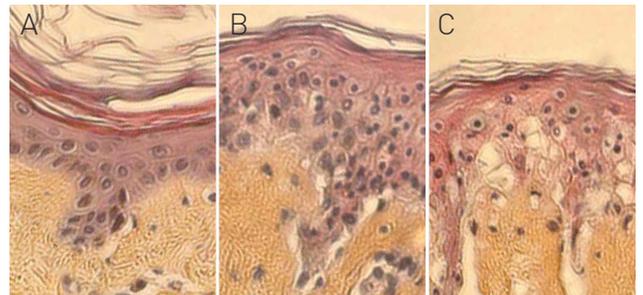
Get more from every valuable tissue biopsy

Extended biopsy lifespan, more cells at isolation

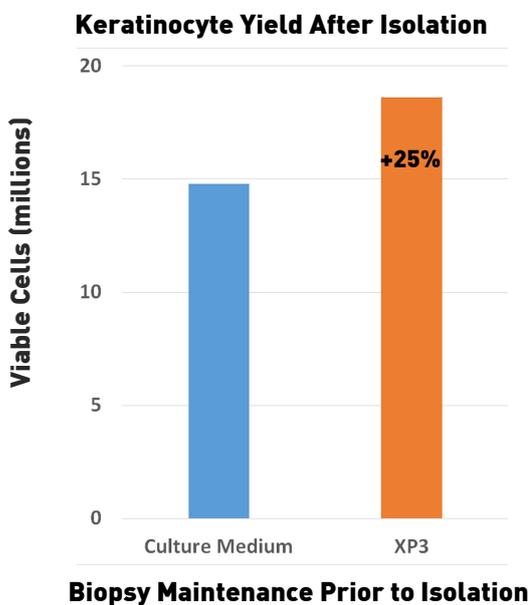
Traditional culture media are designed to deliver maximum proliferation rates of cells in culture. They are not optimal for maintaining tissue biopsies during transport or in the period prior to cell isolation.

The new fully defined, xeno-free **XP3 Biopsy Maintenance Medium** (#CnT-XP3) is specifically designed for tissue homeostasis, and enables the maintenance of tissue biopsies in explant culture for more than 10 days without loss of viability or tissue structure.

Biopsies maintained in XP3 for up to 3 days still yield high quality RNA (RIN above 8.0), and 25% higher cell yield after isolation.



Human skin biopsies maintained for 10 days in (A) CnT-XP3, (B) Competitor 1, (C) Competitor 2. Biopsies courtesy of Biopredic International.



Unique Benefits of the XP3 Biopsy Maintenance Medium:

- Fully defined, free of all human and animal-derived components, ideally suited for **clinical use**
- Balanced formulation delivers homeostasis, without overstimulation.
- Extended biopsy longevity, and high quality RNA isolation
- Increases yield of viable cells immediately after isolation by 25% compared with standard culture medium (see graph at left)
- Isolated cells have increased functionality, enabling more rapid proliferation in the first passage of culture (see graph below)

Request your low-cost test sample today!

Increased Growth in Early Passage Culture

Cells isolated from tissue biopsies maintained in XP3 prior to cell isolation also demonstrate much better growth during their first days in culture.

Graph at right: primary human keratinocyte cultures established from tissue biopsies maintained in XP3 prior to isolation were found to have 4x more cells after 7 days of growth in CnT-PR medium than cultures established from control biopsies maintained in standard culture medium.

Thus when combining the increased initial cell yield with the better growth in early culture, **the use of XP3 increased cell yield x5** at the end of week 1, in comparison with the use of standard medium for biopsy maintenance.

