

CELLnTEC – a Leading Provider of Precision Cell Culture Technologies

PRECISION MEDIA —

— CELLS —

- REAGENTS -

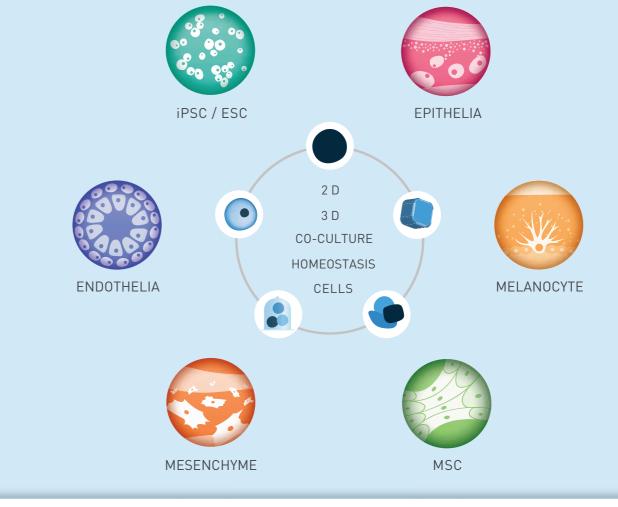
Clinically Upgradable Culture Media

Move seamlessly from basic research into the development of innovative cell therapies and other novel cellular technologies.

- BASIC RESEARCH
- PHARMACEUTICAL & REGENERATIVE MEDICINE
- COSMETICS & COSMECEUTICAL RESEARCH
- 2D / 3D / CO-CULTURE
- ORGANOIDS & ORGAN-ON-A-CHIP
- 3D BIOPRINTING

Solutions Based on Cell Signaling Pathway Science – Culture Cells as if they were *in vivo*

Model *in vivo* environments to perfection. Our media are based on state-of-the-art insights from cell signaling pathway science. Chemically defined, xeno- and animal component-free, and require no coating. Universal basal medium chemistry.



- Signaling pathway-based media designs
- Animal component-free
- Fully defined
- No coating required
- Universal base medium
- Custom media, "media by design"

- Perfectly model the in vivo situation and succeed with the most sophisticated differentiation and tissue model projects
- → Identity and traceability of components secure long-term success when moving from early research to later-stage clinical scope
- → Secure medium continuity and minimize variation throughout the process
- → Turn your special project into a tailored formulation

Precision Cell Culture

From basic research to innovations in cell therapy - and beyond

BASIC RESEARCH
PHARMACEUTICAL & REGENERATIVE MEDICINE
COSMETICS & COSMECEUTICAL RESEARCH
2D / 3D / CO-CULTURE
ORGANOIDS & ORGAN-ON-A-CHIP
3D BIOPRINTING

Isolation

Proliferation Expansion

Homeostatis

2D

Cryopreservation

Media

CnT-CRYO-50

Cryopreservation

Media

CnT-PR (Mouse/Human) Epithelia CnT-07 (Mouse/Human) Epithelia CnT-57 (Mouse/Human) Epithelia CnT-09 (Dog) Epithelia OnT-PR-A Airway • CnT-17 Airway CnT-PR-MSC MSC • CnT-PR-MSC-XF MSC OnT-PR-F Fibroblast OnT-40 Melanocyte CnT-ENDO Endothelia • CnT-ISO-50 Isolation

Antibiotics

Biopsy maintenance

CnT-ABM10 CnT-GAB10

CnT-XP3

Enzymes

CnT-DNP-10CnT-Accutase-100

Media

Enzymes

CnT-Accutase-100

Co-culture

Media

CnT-PR-CCCnT-PR-KM2D & 3D Co-culture2D & 3D Co-culture

Epidermis Airway Gingiva Cornea Bladder Prostate ENDOTHELIA MESENCHYME MSC MSC

Media

CnT-PR-H
 CnT-PR-FH
 CnT-PR-MH
 CnT-XP3
 Epithelia
 Fibroblast
 Melanocyte
 Biopsy maintenance

Differentiation

2D

Media

CnT-PR-D	Epithelia
CnT-MSCDIFF-AD	MSC
CnT-MSCDIFF-OST	MSC
CnT-MSCDIFF-CHOND	MSC
CnT-PR-ECM	Fibroblast
CnT-PR-MD	Melanocyte
CnT-30	iPSC differentiation
CnT-PR-EF	iPSC differentiation

3D

Media

CnT-PR-AD AirwayCnT-PR-3D Epithelia

Staining

• CnT-ST-100

3D Co-culture

Media

CnT-PR-FTAL52D & 3D Co-culture

Aging

Media

CnT-AG2
Keratinocyte aging

Cells

Primary human cells

HPEKp Epidermal keratinocytes, juvenile, pooled
HPEKs Epidermal keratinocytes, juvenile, single
HPEKas Epidermal keratinocytes, adult, single
HDFs Dermal fibroblasts, juvenile, pooled
HDFas Dermal fibroblasts, juvenile, pooled
HDFas Dermal fibroblasts, adult, single
HDPs Dermal fibroblast progenitors, adult, single
HCEP Corneal epithelium, adult, single
HGEPp Oral epithelium, adult, single
HGEPs Oral epithelium, adult, single
HEMns Epidermal melanocytes, juvenile, single
HEMas Epidermal melanocytes, adult, single

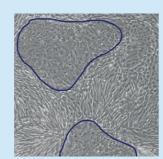
Long-term cells

MPEK-BL6 Epidermal keratinocytes (Mouse)
CPEK Epidermal keratinocytes

(Dog)
HBLAK Bladder epithelium, adult,

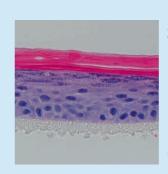
(Human) single

Number of cells (7 days post isolation) 6.0 5.0 4.0 2.0 CnT-D7 CnT-PR CnT-PR CnT-ISO-50 CnT-ISO-50



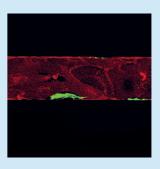
2D Culture / Co-culture

Keratinocytes / fibroblasts CnT-PR-CC Medium



3D Culture

Keratinocytes CnT-PR-3D Medium



Microvascularon-chip

CnT-ENDO, blood clotting.
Green: Fibrin clot

Questions? Contact: scientist@cellntec.com