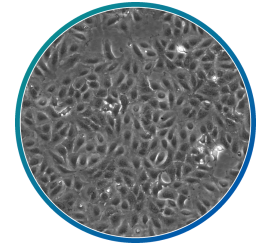


Cell lines & media for cytotoxicity testing

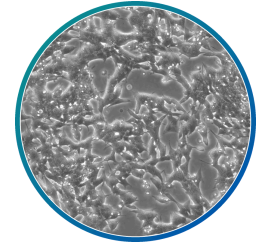
Authenticated models for ISO 10993-5 and biocompatibility work

Medical implants, stents, wound dressings and inhaled products must be assessed for cytotoxicity, most often to ISO 10993-5. In-house labs and CROs run these assays on a small set of well-established cell lines. Cytion supplies almost all of them from stock, together with the matching, ready-to-use culture media, so the whole assay can be sourced from one place.

Every line is authenticated and released against fixed quality criteria, with a lot-specific Certificate of Analysis in each shipment.


A-549

Cat. 300114


SH-SY5Y

Cat. 300154

RECOMMENDED CYTION LINES BY APPLICATION

Application	Recommended Cytion lines & catalogue no.	Matched medium
Skin & dermal cosmetics creams, topicals, cosmetic raw materials	HaCaT 300493 · Human Epidermal Keratinocytes 300692 · Human Dermal Fibroblasts 300606	DMEM or primary-cell medium + 10% FBS
Wound dressings hydrocolloids, films, gels	L929 400260 · Human Dermal Fibroblasts 300606 · HaCaT 300493	DMEM:Ham's F12 / DMEM
Orthopaedic implants bone screws, plates, joint surfaces	MG-63 300441 · Saos-2 300331	DMEM:Ham's F12 + 10% FBS
Vascular stents blood-contacting devices	HUVEC, single donor 300605	Endothelial cell growth medium
Neurotoxicity neural and neuro-contacting devices	SH-SY5Y 300154	DMEM:Ham's F12 + 10% FBS
Inhalation products inhalers, aerosols, airway devices	A-549 300114	DMEM:Ham's F12 + 10% FBS
General ISO 10993-5 cytotoxicity standard biocompatibility screen	L929 400260	DMEM:Ham's F12

One source for the whole assay. Each cell line pairs with a ready-to-use Cytion growth medium and Freeze Medium CM-1 (Cat. 800100). Matched media keep results consistent from lot to lot and remove the guesswork of sourcing the right formulation separately.

Quality you can build a study on

Cytotoxicity results are only as reliable as the cells behind them. Every Cytion batch is screened before release, in-house and, since 2023, independently by IDEXX BioAnalytics.



Authenticated identity

STR profiling for human and animal lines, reported against the reference. Primary cells are donor-tested and marker-verified.



Mycoplasma-free

PCR-based detection on every released lot.



Sterile, no bacteria or fungi

Direct inoculation across 8 media with MALDI-TOF identification.



Viral & species safety

Species-specific viral panels and interspecies-contamination screening per batch.

Matched media & reagents

Ready-to-use formulations for the lines above, shipped together with the cells.

DMEM, high glucose (+ 10% FBS) **820300a**

DMEM:Ham's F12 (1:1) (+ 10% FBS) **820400a**

Endothelial / keratinocyte / fibroblast media **primary**

Freeze Medium CM-1 **800100**

Use rights & licensing

Internal research at a single site runs under our Material Transfer Agreement (MTA).

Commercial and regulatory cytotoxicity work, including fee-for-service testing, quality control, product release and ISO studies, is licensed under a suitable agreement tailored to the project.

Just share the intended use and we prepare the right agreement before you order.

More than 1000 cell lines. Beyond the lines shown here, Cytion holds over 1000 authenticated cell lines plus primary cells, stem cells and media. If your assay needs a model that is not listed, just ask.

For laboratory research use only; not for use in humans, animals or diagnostics. Manufactured under an ISO 9001:2015 certified Quality Management System. Catalogue numbers and media as listed on cytion.com.