YBL – Integrated Drug Discovery & Development

ExFollicle™

EX-VIVO HUMAN HAIR FOLLICLE ASSAY

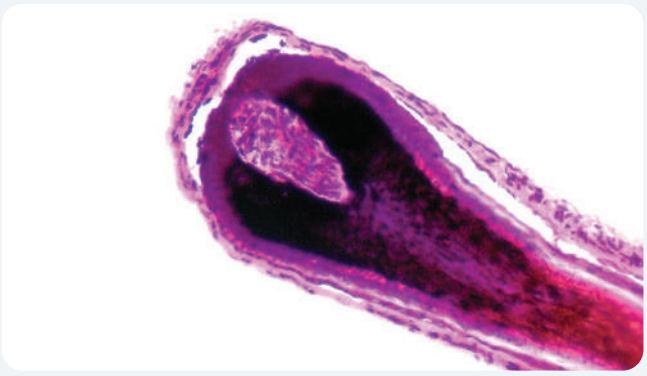


See how your molecule behaves in a living human follicle.

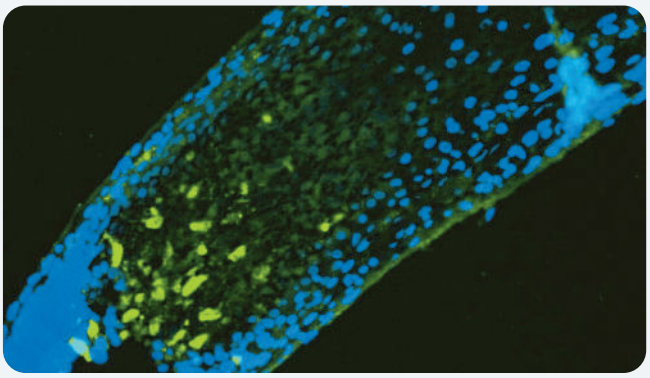
Test your molecule
on living human hair follicles
from Indian donors.

Male donors, 25 to 40 years	Informed consent	Protocols approved by institutional ethics committee

See what ExFollicle™ shows you.



H&E - architecture and growth phase



Melan-A(green) - melanocyte marker

Also offered

- Masson-Fontana (melanin content)
- Any marker of interest to you

ExFollicle Model Applications

- Hair growth studies
- Formulation safety testing

THE GAP

Why hair claims need follicle-level evidence

Cell assays
Cell proliferation is not follicle growth.

Fibre tests
A stronger strand says nothing about the follicle.

Ingredients literature
A good ingredient does not prove a finished formula.

ExFollicle™ is the biology check before you advance to clinical studies.
Get confidence with context-of-use, human-relevant model for human hair follicle

How ExFollicle™ compares with available options

	Cell assays	Fibre tests	Literature	Consumer studies	ExFollicle™
Living, intact follicle	✗	✗	✗	✗	✓
Follicle growth measured	✗	✗	✗	✗	✓
Growth phase seen in tissue	✗	✗	✗	✗	✓
Melanocyte markers in place	✗	✗	✗	✗	✓
Indian donor tissue	—	—	—	—	✓

✓ yes ✗ no — not built in

CULTURE	PER STUDY	REPLICATES	EXPOSURE	TURNAROUND
Up to 9 days	**Up to 5 molecules**	**3 per group**	**Vehicle & untreated**	**3 to 4 weeks**

Systemic exposure through the culture medium, not topical exposure of the molecule.

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Scan QR Code
For more product & service information

V1.0

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