

ELISA-TO-ELICHIP · EARLY ADOPTER PROGRAM



Convert Your ELISA Into a Field-Ready Diagnostic.

Same science. Same sensitivity. Deployed anywhere — from 20 μ L.

Only 10 Seats Globally

Full Technical Support

Your Brand

12+ Months Market
Exclusivity

Why Convert Your ELISA? No new science needed. Just a smarter format.

STANDARD ELISA

Sample volume: 100–200 μ L per well

Workflow: Manual, multi-step

Setting: Centralized lab only

Readout: Plate reader required

Time-to-result: Hours to days

CONVERT →

ELICHIP MICROFLUIDIC FORMAT

Sample volume: 20 μ L (10× less)

Workflow: Automated microfluidic

Setting: Field-deployable, any location

Readout: Digital quantitative output

Time-to-result: 20–60 min (assay dependent)

EliChip Platform — Technical Highlights

20 μ L

Sample Volume

vs. 100–200 μ L ELISA

pg/mL

Sensitivity

ELISA-grade accuracy

20–60 min

Time-to-Result

No lab needed

Digital

Quantitative Output

Automated readout

Multi-matrix

Sample Compatibility

Blood · milk · serum · grain

Low Carbon

Reduced Footprint

vs. centralized lab testing

Multi-Chemistry Platform — One Card, Multiple Chemistries

IMMUNOASSAY

Any ELISA — sandwich, competitive, capture

Proteins · Cytokines · Toxins · Antibodies

pg/mL sensitivity · 20–60 min · field-deployable

DUAL CHEMISTRY — GRIESS REACTION

Dedicated card — run separately from immunoassay

Nitric oxide + nitrite · 20 μ L · closed microfluidic

Same platform, same reader — no extra instrument

Coming next: Multiplexing · AI-assisted result interpretation · Expanded chemistry library

COMPATIBLE SECTORS:

Human Health

Veterinary

Food Safety

Agri-Biotech

Environmental

Pharma QC

Example Applications on EliChip ✓ = tested (others: indicative examples)

AGRIFOOD

- Aflatoxin M1 / B1 ✓ **tested**
- Ochratoxin A ✓ **tested**
- Gluten / Lysozyme ✓ **tested**
- Deoxynivalenol · Zearalenone

VETERINARY

- Bovine mastitis markers (milk)
- Antibiotic residues
- BVD / Leishmania ✓ **tested**
- Brucella · Progesterone / PAG

PLANT HEALTH

- Xylella fastidiosa ✓ **tested**
- Flavescence dorée ✓ **tested**
- Plum pox virus · Grapevine viruses

CLINICAL

- IL-6 / TNF-alpha ✓ **tested**
- MMP-2 / 9 / NGF ✓ **tested**
- CRP
- Cortisol · Insulin

GRIESS REACTION — Nitric oxide in OA synovial fluid: **tested** | Other applications: indicative examples
Possible applications: Nitrite in food & water · Synovial fluid inflammation (NO) · Soil nitrogen · Water quality control

Assay Conversion Process — Feasibility to Commercial Deployment in ~12 Months

01

Feasibility Assessment

Technical compatibility evaluation of your existing ELISA with EliChip. No commitment required.

02

Assay Adaptation

Conversion of your antibody-antigen chemistry to the EliChip microfluidic cartridge format.

03

Optimization & Testing

Sensitivity, specificity, reproducibility and full matrix compatibility testing.

04

Industrialization & Launch

Scale-up toward commercial cartridge manufacturing and pre-commercial preparation.

Typical timeline: ~12 months (feasibility to commercial deployment) · 12+ months assay-specific market exclusivity

Partner Benefits

- Extend portfolio beyond centralized labs
- Quantitative testing at point of decision
- Differentiate with next-gen microfluidics
- Your brand, regulatory & market strategy
- 12+ months assay-specific market exclusivity
- Early position in the EliChip ecosystem

You have the assay.
We have the platform. Let's talk.

Contact us — no commitment required.

info@auralisbiotech.it

auralisbiotech.it · LinkedIn: Auralis Biotech SRL