

Company Background

PLC company, offices in Manchester, UK & Cambridge US, formed in 2000

www.epistem.co.uk

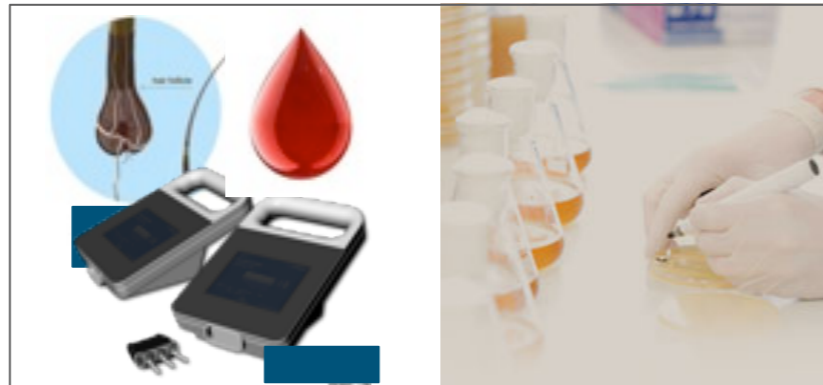
Contract Research Services



Preclinical Models

- Oncology
- Inflammation
- GCLP compliant Histology services
- Wound Healing
- Dermatology

Personalised Medicine



Molecular Analysis Services/Products

- mRNA/miRNA analysis GCLP compliant
- DNA genotyping analysis GCLP compliant
- LCM, FNA, tumor
- Biomarker Panels
- POC Molecular diagnostic platform, Genedrive

Novel Therapies



Drug Discovery

- Stem cell models
- Transcriptional profiling
- Normal to tumour tissue
- Tissue organoids

single
button
operation



Unequivocal YES/NO
results

560g
12cm x 10cm
12V DC
Operational at up to
50°C ambient



easy to use

Up to 1h:00m*

hours minutes seconds

time to result



accurate

* For samples requiring sample preparation up to 1h:20m

- **Fast**

A molecular diagnostics device that can provide nucleic acid diagnostic results within 60 minutes depending on the target

- **Small**

Handheld molecular diagnostics weighing 560g

- **Low voltage**

12V DC device allows Li-ion battery pack operation

- **Low cost**

- **Place anywhere**

Low resource and 'Point-of-Care' healthcare settings

- **Simple to use**

Minimal training required

- **Portfolio of assays**

Assays can be applied to wide range of targets and specimen types

- Human, viral and bacterial targets
- Buccal swab, blood and sputum

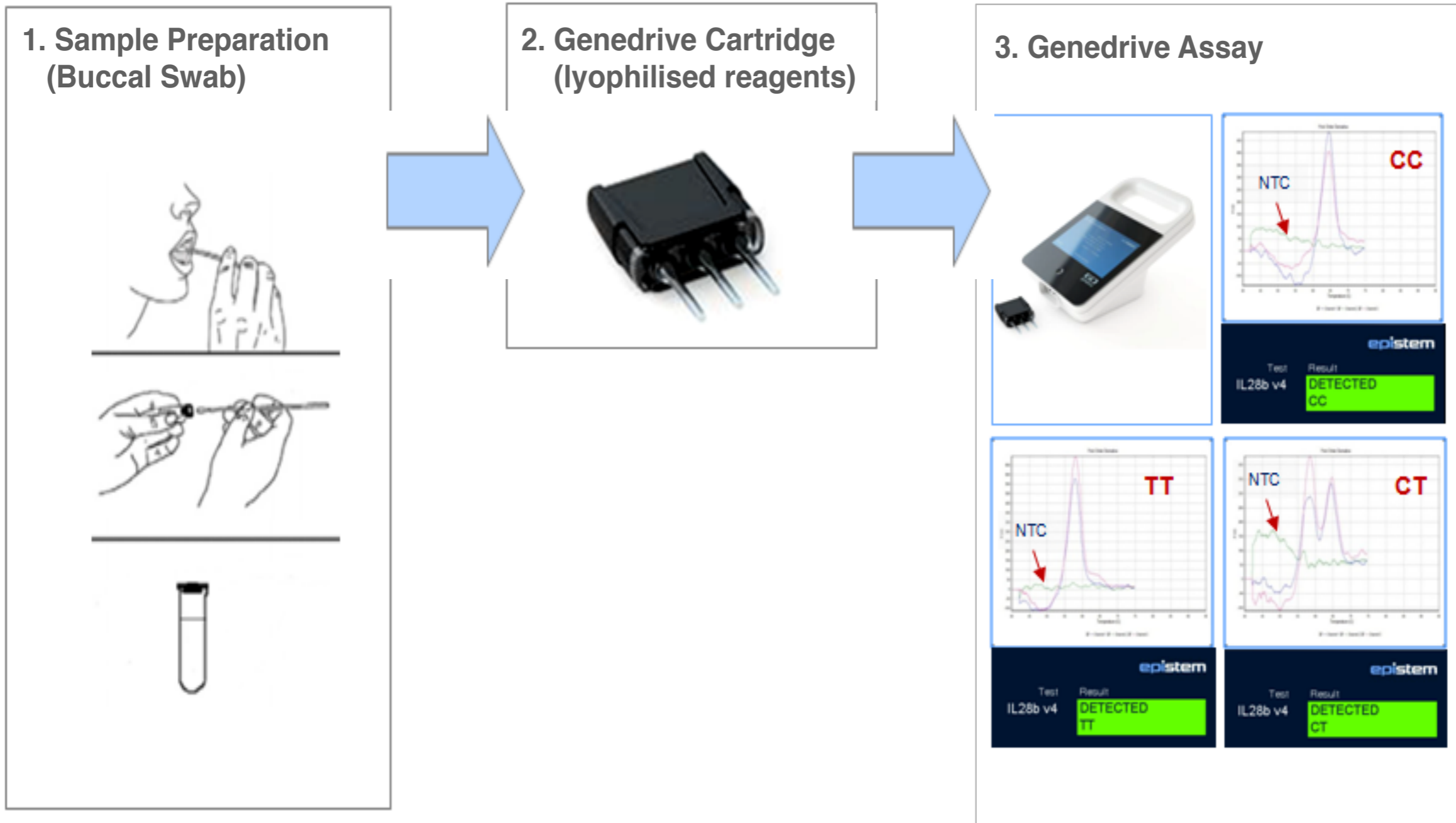


Simple and Easy Workflow

1. Sample

2. Load

3. Run



Genotyping from multiple specimen types- Sputum and Blood

1. Sample



2. Load



3. Run



Market	Assays (*Clinical validation ongoing)	Development pipeline
Oncology	KRAS Mutation Assay (Codons 12, 13, 61 and 146) BRAFV600 EGFR (Exons 18,19,20 & 21)	PIK3CA JAK2 PGDFR
Infectious disease	HepC* (viral load & genotyping) HIV (detection & viral load)	Chlamydia Gonorrhea HSV - 1&2
Respiratory	Tuberculosis*	Influenza A / B Influenza A, sub-type H1N1
PGx	IL28B* OPRM1*	CYP markers Factor V Leiden
Others	Bioplex (3 plex) Amelogenin	Sepsis MRSA

- Genedrive provides genotyping analysis within 60 minutes of sample collection
- Reliable performance; PCR optimal for genotyping.
- Ease-of-use; Reduced training time required and simplified sample preparation
- Low-cost, simple instrument maintenance
- Expensive laboratory instruments not required for multiple diagnostic tests
- Supply chain simplified; Lyophilised reagents have long shelf life and no cold chain
- Simple results interpretation; clear understanding of significance and clinical utility by clinicians & users
- Flexible for scale-up of testing (www.genedrive.com)

The logo for 'epistem' is displayed in a bold, blue, sans-serif font. The letter 'i' is lowercase and features a small blue dot above it. The letters 'e', 'p', 's', 't', 'e', and 'm' are all lowercase and have a consistent, modern design.

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