PRIM-TECH3R In Vitro Resource

User manual v1.0

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Summary

The PRIM-TECH3R In Vitro Resource serves as a central access point for stakeholders interested in exploring, using, and potentially exploiting the project's scientific and technological outputs.

For further information about the project, its objectives, and its activities, users are encouraged to explore the other sections of the official PRIM-TECH3R website.

The resource will continue to be updated throughout the project to ensure that the information provided remains relevant, accessible, and aligned with the latest project developments.

Version	Date	Modifications	Author
V1	12/11/2026		DP
V2			
V3			

1 Introduction

In addition, some more information. The PRIM-TECH3R In Vitro Resource is an interactive, web-based platform designed to provide easy and centralised access to the in vitro resources, tools, methodologies, and knowledge generated within the PRIM-TECH3R project.

The resource brings together information on biobanked mouse stem cell lines, primary cells, standardised protocols, the CIVM technology stack, cellular disease models, in vivo validation data, and training opportunities.

This online manual provides step-by-step guidance on how to navigate the platform, explore the available resources, and access additional information and supporting materials.

2 Accessing the In Vitro Resource

The PRIM-TECH3R In Vitro Resource is publicly accessible through the official PRIM-TECH3R project website.

To access the resource:

1. Visit the official PRIM-TECH3R project website.
2. Navigate to the **In Vitro Resource** section.
3. The interactive resource will be displayed, providing a visual overview of the different categories of resources developed within the project.

The platform is designed to offer an intuitive browsing experience, allowing users to identify and explore available resources directly from the main interface.

3 Understanding the Interactive Interface

The In Vitro Resource uses a colour-coded interface to distinguish between resources that are currently available and those that are unavailable.

- **Blue elements – Available resources:** These represent active sections containing information, results, or materials that can already be accessed. Users can interact with these elements to explore their content.
- **Grey elements – Upcoming resources:** These represent sections for which information or project results are not yet available. They are currently inactive and will be activated as relevant outputs become available.

This visual distinction allows users to quickly identify the resources that can be explored at any given stage of the project.

4 Navigating and exploring the resources

The platform incorporates interactive features that allow users to access information without navigating away from the main resource overview.

4.1 Identify a resource of interest

Browse the categories displayed on the main interface and identify the resource you wish to explore. Active categories are highlighted in blue.

4.2 Interact with the selected element

Hover over or click on an active element to expand it and reveal additional information about the selected resource.

4.3 Review the available information

The expanded element displays a description of the resource and, where applicable, details of the corresponding project outputs, available documentation, or related activities.

4.4 Access supporting materials

Where additional information is available, a dedicated button is provided within the expanded element. Clicking this button directs users to the relevant section of the PRIM-TECH3R website or to an external webpage hosting further information, documentation, or supporting resources.

4.5 Explore additional categories

Return to the main resource overview and repeat the process to explore other active elements

5 Currently available resources

The In Vitro Resource is continuously evolving as new project results become available. The current version includes the following active sections:

5.1 CIVMs under development

This section provides an overview of the CIVMs developed within the PRIM-TECH3R project. Users can explore the available CIVMs and access detailed datasheets describing each model. These datasheets provide supporting information to help stakeholders understand the characteristics and potential applications of the models.

- Lung bud microarrays
- 3D bioprinted muscle fibers in tumour-on-chip
- 3D co-culture GBM model
- 3D bioprinted mouse CRC tissue

- Air-Liquid Interface (ALI) lung organoids
- GLUT1 Deficiency Syndrome BBB CIVM
- Human 3D organotypic epidermis models

5.2 Cellular Disease Models

This section presents the cellular disease models developed within the project.

5.3 Standardised Protocols

The Standardised Protocols section provides access to documentation describing the standardised methodologies developed within PRIM-TECH3R.

- Deliverable 1.1 – Standards for mouse stem cell use in CIVM development

5.4 Staff training

The Staff Training section provides information on training activities and opportunities associated with the project.

6 Additional Information

The PRIM-TECH3R In Vitro Resource is a dynamic platform that will be progressively enriched throughout the project's implementation.

As additional results become available, currently inactive elements will be activated, providing access to new resources, documentation, and opportunities. Future updates will also include information on upcoming **Open Call**, enabling interested stakeholders to learn more about opportunities to engage with the project and its resources.

Users are encouraged to revisit the platform regularly to explore newly available content and stay informed about the latest developments.