

What is the BioPACIFIC MIP Materials Library?

The BioPACIFIC MIP Materials Library (hereafter, Library) is a publicly-accessible application (Fig 1) that displays all of the chemicals/materials (Fig 2) available for sample request. Sample requests are a proposal-driven process that be submitted [here](#). Once approved, you'll be given the specified quantity of the material for your research use.



Fig 1. Materials library home page.



Fig 2. Display of the materials currently available in the library. These may be further indicated as available for sample and/or data request(s).

The Library shares a database with the LIMS, meaning that all materials found here are stored in the broader LIMS database. Furthermore, there are a variety of features available within the Library. You can search for specific materials, add materials to the library, and make changes to *your own* registered materials in the library.

Searching the Library

Basic search functionality is available in the library. You may search by compound names. This search is a partial search, meaning it looks for any matching string anywhere within the provided name of the compound (Fig 3). For compounds named according to IUPAC standards, this provides some ability to search/filter by functional group.



Fig 3. Example search results for the search term "benz", reducing the displayed results to only those compounds containing the search term in their name.

Dashboard

The user dashboard allows users to either add compounds/materials to the library or edit existing compounds that they previously registered (either directly in the Library or through the BioPACIFIC MIP LIMS, to which the Library is connected).

Adding to the Library

Content

Editing the Library

Content

Removing from the Library

Users may remove any chemical they've registered in the library from public display by simply unchecking the "Available to Library" box in the Edit Chemical window. The Chemical will remain available in the LIMS, but will no longer be shown to other users in the Library search/display.

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