



Quick Start Guide to Springer Protocols

Springer Protocols is an online database of reproducible laboratory protocols in the biomedical and life sciences.

PLEASE NOTE that the Online Library does not subscribe to this database, so you can only access free protocols.

All free protocols have a yellow F next to the title  or can be found by clicking 'Free Protocols' on the right side of the page:

The screenshot shows the Springer Protocols website interface. At the top, there is a navigation bar with the Springer Protocols logo, the Springer logo, and links for ABOUT US, RSS, and HELP. Below the navigation bar, there is a welcome message and a search bar. The search bar has a text input field and a 'Search' button, with an 'Advanced Search' link below it. To the left of the search bar, there is a 'Browse by Subject' section with a list of subjects: Biochemistry, Biotechnology, Cell Biology, Imaging/Radiology, Infectious Diseases, Molecular Medicine, Pharmacology/Toxicology, Protein Science, Bioinformatics, Cancer Research, Genetics/Genomics, Immunology, Microbiology, Neuroscience, and Plant Sciences. To the right of the search bar, there is an 'Inside SpringerProtocols' section with a list of options: Source Title List, New Protocols, Free Protocols (highlighted with an orange box), Popular Protocols, Tour, For Contributors/Editors, and For Library Admins. Below the search bar, there is a 'Most Popular Protocols' section with a list of protocols: A Practical Guide to Rodent Islet Isolation and Assessm..., Streptozotocin, Type I Diabetes Severity and Bone, Critical Appraisal of the MTT Assay in the Presence of ..., Comparison of Enzymatic and Non-Enzymatic Means of Diss..., and Considerations in the Design and Optimization of Colled... (truncated). A 'More...' link is at the bottom right of this section. On the far left, there is a vertical sidebar with several links: Mobile, Upload a Protocol, Protocol Alert, Video Protocols, Comments, Favorites, and RSS.

Figure 1. How to access freely available protocols.



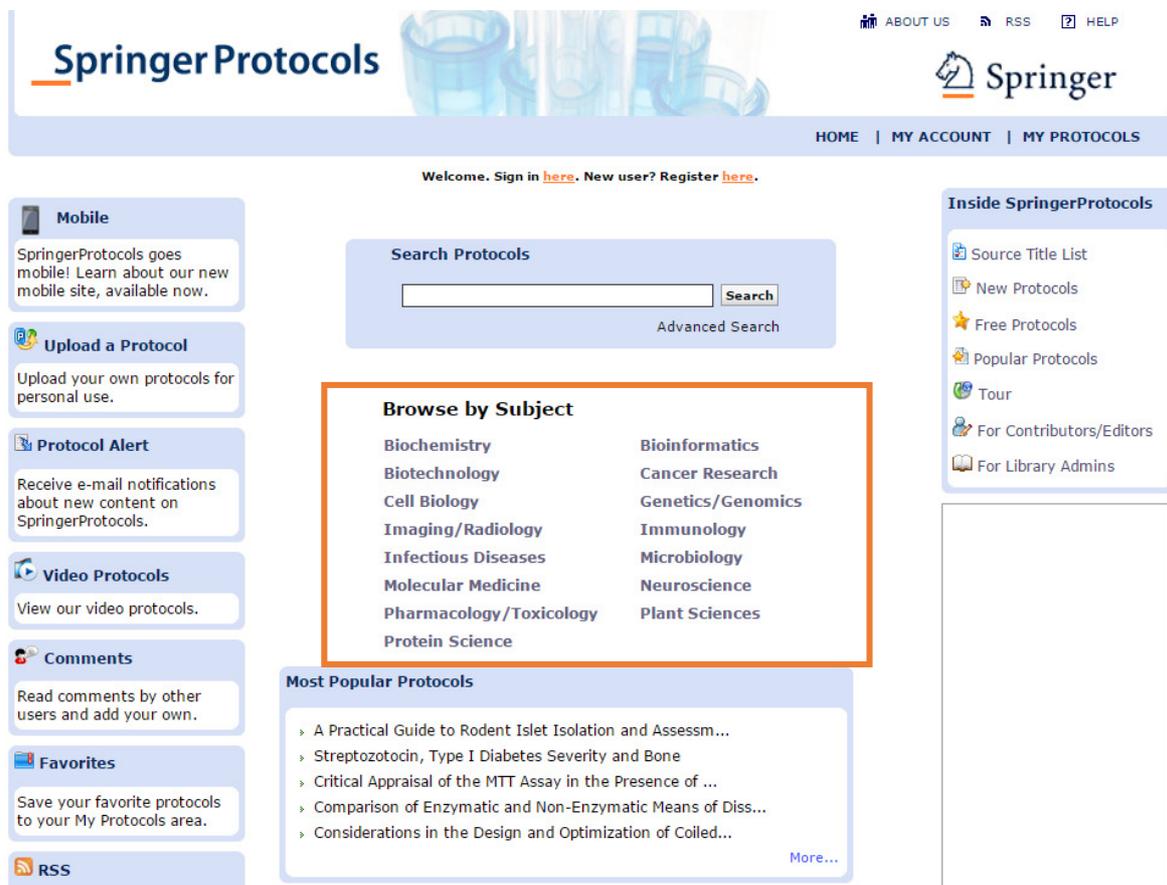
Browsing and Searching

Springer Protocols can be accessed via this URL: <http://www.springerprotocols.com/> This website offers basic and advanced searching, as well as browsing by subject.

Browsing

On the homepage there is 'Browse by Subject' area. When clicking on a subject area, it will take you to a list of all protocols relating to that subject.

Please note that this will contain material that is inaccessible. Keep an eye out for the  symbol for free material.



The screenshot shows the Springer Protocols homepage. At the top, there is a navigation bar with the Springer Protocols logo, the Springer logo, and links for ABOUT US, RSS, and HELP. Below the navigation bar, there is a welcome message and a search bar. The main content area is divided into several sections: a left sidebar with links for Mobile, Upload a Protocol, Protocol Alert, Video Protocols, Comments, Favorites, and RSS; a central 'Browse by Subject' section with a grid of subject categories; and a right sidebar with links for Source Title List, New Protocols, Free Protocols, Popular Protocols, Tour, For Contributors/Editors, and For Library Admins. Below the 'Browse by Subject' section, there is a 'Most Popular Protocols' section with a list of popular protocols and a 'More...' link.

Springer Protocols | **Springer**

HOME | MY ACCOUNT | MY PROTOCOLS

Welcome. Sign in [here](#). New user? Register [here](#).

Search Protocols

Advanced Search

Browse by Subject

Biochemistry	Bioinformatics
Biotechnology	Cancer Research
Cell Biology	Genetics/Genomics
Imaging/Radiology	Immunology
Infectious Diseases	Microbiology
Molecular Medicine	Neuroscience
Pharmacology/Toxicology	Plant Sciences
Protein Science	

Most Popular Protocols

- › A Practical Guide to Rodent Islet Isolation and Assessm...
- › Streptozotocin, Type I Diabetes Severity and Bone
- › Critical Appraisal of the MTT Assay in the Presence of ...
- › Comparison of Enzymatic and Non-Enzymatic Means of Diss...
- › Considerations in the Design and Optimization of Coiled...

[More...](#)

Figure 2. Browsing options.

On clicking on a subject you will then be taken to a results page, as shown in Figure 3. From here you can narrow your search using the options on the left hand side of the screen as shown in Figure 3.

You can either search within these results, or there is the option to browse further subject categorisations within the subject area you have already chosen. The numbers in brackets are the numbers of items relevant to that topic.



Welcome. Sign in [here](#). New user? Register [here](#).

Search Within These Results

Browse by Subject

- Biochemistry (12)
- Biotechnology (2)
- Cancer Research (8)
- Cell Biology (39)
- Genetics/Genomics (12)
- Imaging/Radiology (4)
- Immunology (7)
- Infectious Diseases (1)
- Microbiology (3)
- Molecular Medicine (10)
- Neuroscience (21)
- Pharmacology/Toxicology (2)
- Plant Sciences (4)
- Protein Science (3)

Browse by Year

- 2014-2016 (7)
- 2011-2013 (22)
- 2008-2010 (14)
- 2005-2007 (14)
- 2002-2004 (19)
- 1999-2001 (13)
- 1996-1998 (19)
- 1993-1995 (7)
- 1990-1992 (5)
- 1987-1989 (6)
- 1984-1986 (2)

Results 1 - 10 of 128 1 2 3 4 5 6 7 8 9 10 Next>>

Search results for: Text "cytochemical techniques" - all of the words/ (Protocol search)

[Save search results](#)

Sort results by: Relevance per page

Free Subscribed Trial

Cytochemical techniques and energy-filtering transmission electron microscopy applied to the study of parasitic protozoa

Author(s): Marcos A. Vannier-Santos, Ulysses Lins
Pub. Date: May-01-2001; DOI:10.1251/bpo19
Summary: Cytochemical techniques and energy-filtering transmission electron microscopy applied to the study of parasitic protozoa The study of parasitic protozoa plays a major role in cell biology...
[Abstract](#) | [Full Text](#) | [PDF \(2326K\)](#) |

Electron Microscopic Enzyme Cytochemistry

Author(s): Nobukazu Araki, Tanenori Hatae
Pub. Date: Mar-09-1999; DOI:10.1385/1-59259-201-5:159
Summary: . Among various enzyme cytochemical reactions, phosphatase enzyme cytochemistry is well established and one of the most common techniques. The original method for the cytochemical demonstration...
[Abstract](#) | [Full Text](#) | [PDF \(132K\)](#)

Signal Amplification for DNA and mRNA

Author(s): Ernst J. Speel, Anton H. Hopman, Paul Komminoth
Pub. Date: Sept-01-1999; DOI:10.1385/1-59259-677-0:195
Summary: fluorescence of enzyme cytochemical visualization. HRP, horseradish peroxidase; AP, alkaline phosphatase. On the other hand, more and more literature is becoming available that describes approaches to amplify...
[Abstract](#) | [Full Text](#) | [PDF \(438K\)](#)

Human Myoblasts from Skeletal Muscle Biopsies: In Vitro Culture Preparations for Morphological and Cytochemical Analyses at Light and Electron Microscopy

Author(s): Manuela Malatesta, Marzia Giagnacovo, Rosanna Cardani, Giovanni Meola, Carlo Pellicciari
Pub. Date: Mar-13-2013; DOI:10.1007/978-1-62703-317-6_6
Summary: index (i.e., the percentage of myoblasts in the cell population) ranges between 50 and 80, in the cell cultures at the first passage. Among the manifold cytochemical and immunocytochemical techniques...
[Abstract](#) | [Full Text](#) | [PDF \(577K\)](#)

Figure 3. Searching and ordering your browsing search results.

There is also the option to 'Browse by Year' on the bottom left hand side of the screen. You can also sort the results that appear by selecting the drop down box as shown at the top of Figure 3. You can order results by relevance, date (most recent), author name and title.

To see further information, click on the title of the item.



Searching

The homepage provides a basic search box for you to conduct a search with.



Figure 4. Search box on homepage.

When searching using this box, you will see a similar screen to the one when you have browsed. The results appear as in Figure 3.

There is also an advanced search option which allows you to fill in a variety of different fields to bring back a smaller, more specific number of results.

Advanced Search

Select Option Protocols Books

Anywhere in Text: all any exact phrase

Abstract: all any exact phrase

Title: all any exact phrase

Author/Editor: e.g. Smith JS, Jones D

Series:

Volume No:

EISBN:

Subject:

Copyright Year: through

DOI:

Results: Sort by:

View per page

Figure 5. Advanced search.

Please note that when using the browse and search functions of this resource, the results will include anything relevant from its collection and not all of the content may be accessible as the Online Library does not subscribe to this resource. Remember to keep an eye out for the yellow F next to the title

 to find those that are freely available:



Sort results by: 10 per page

Free Subscribed Trial

Cytochemical techniques and energy-filtering transmission electron microscopy applied to the study of parasitic protozoa

Author(s): Marcos A. Vannier-Santos, Ulysses Lins
Pub. Date: May-01-2001; **DOI:**10.1251/bpo19
Summary: **Cytochemical techniques** and energy-filtering transmission electron microscopy applied to the study of parasitic protozoa The study of parasitic protozoa plays a major role in cell biology...
[Abstract](#) | [Full Text](#) | [PDF \(2326K\)](#) |

Electron Microscopic Enzyme Cytochemistry

Author(s): Nobukazu Araki, Tanenori Hatae
Pub. Date: Mar-09-1999; **DOI:**10.1385/1-59259-201-5:159
Summary: . Among various enzyme **cytochemical** reactions, phosphatase enzyme cytochemistry is well established and one of the most common **techniques**. The original method for the **cytochemical** demonstration...
[Abstract](#) | [Full Text](#) | [PDF \(132K\)](#)

Figure 6. Example of a freely available text.

Once you have clicked on the title of the item, you will see a page like the one in Figure 7:

Comparison of Enzymatic and Non-Enzymatic Means of Dissociating Adherent Monolayers of Mesenchymal Stem Cells

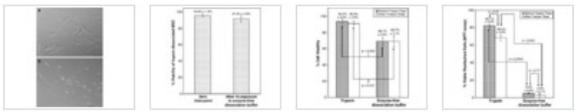
By: Boon C. Heng², Catherine M. Cowan², Shubhayu Basu¹

Abstract

[Full Text](#) | [Download PDF \(157K\)](#)

The dissociation of adherent mesenchymal stem cell (MSC) monolayers with trypsin and enzyme-free dissociation buffer was compared. A significantly lower proportion of viable cells were obtained with enzyme-free dissociation buffers compared to trypsin. Subsequently, the dissociated cells were re-seeded on new cell culture dishes and were subjected to the MTT assay 24 h later. The proportion of viable cells that reattached was significantly lower for cells obtained by dissociation with enzyme-free dissociation buffer compared to trypsin. Frozen-thawed MSC displayed a similar trend, yielding consistently higher cell viability and reattachment rates when dissociated with trypsin compared to enzyme-free dissociation buffer. It was also demonstrated that exposure of trypsin-dissociated MSC to enzyme-free dissociation buffer for 1 h had no significant detrimental effect on cell viability.

Images from this Protocol



Affiliation(s): (1) New Business Ventures, Abbott Vascular, 3200 Lakeside Dr., Santa Clara, CA 95054, USA
(2) Abbott Vascular, 3200 Lakeside Dr., Santa Clara, CA 95054, USA

Journal Title: [Biological Procedures Online](#)

Volume: 11 | **Issue:** 1 | **Pub. Date:** Dec-01-2009 | **Page Range:** 161-169 | **DOI:** 10.1007/s12575-009-9001-4

Subject: [Biochemistry](#)

Key Words: [Dissociation](#) - [Enzyme](#) - [Mesenchymal](#) - [Stem cells](#) - [Trypsin](#)

[Show References](#)

Comments (1) [Post comment/View all comments](#)

By **LAC Springer Training** **Apr-06-2015 02:53 AM**
This is a test about an example of comments
[Report Violation](#)

Figure 7. Example of a freely available text record and how to access the full text.



The Online Library

Senate House Library, University of London

You will be able to download the full text by selecting on the hyperlink 'Full Text' or 'Download PDF' options as shown in Figure 7.

There is a helpful video provided by Springer to guide users on how to use and conduct searches on their resource:

http://www.springerprotocols.com/tour/Protocols_Introduction/Protocols_Introduction.vm

Further Help

If you need help using this or any other information resources, please contact the **Online Library** by:

Telephone at: +44 (0)20 7862 8478 (between 09.00 and 17.00 GMT),

By email at: OnlineLibrary@shl.lon.ac.uk

By the Enquiries Form at: <http://onlinelibrary.london.ac.uk/about/contact-us>