# 2 - Searching the Biospecimen Research Database 3.2

This section introduces you to the procedures for searching the Biospecimen Research Database. It includes the following topics:

- Search Overview
  - ° Simple Search Overview
  - Advanced Search Overview

  - Browse by Analyte Overview
    Browse by Pre-analytical Factor Overview
- Conducting a Simple Search
- Conducting an Advanced Search ٠
- Browsing by Analyte
- Browsing by Pre-analytical Factor
- Viewing Paper and Study Details
- Commenting on a Paper
- Suggesting a New Paper
- Citing the BRD

### Search Overview

You can search the Biospecimen Research Database (BRD) to find research papers and studies that match criteria you specify. Each published paper is associated with one or more studies that address specific experimental questions. If you do not narrow your search by selecting search criteria, then all studies in the database will be returned as search results.

You can search the BRD in the following ways.

- Simple Search Overview
- Advanced Search Overview
- Browse by Analyte Overview
- Browse by Pre-analytical Factor Overview

You do not need to log in or have an account to search the Biospecimen Research Database. (i)

From the BRD home page, all search options appear when you click the Search tab.



The home page also contains a News and Announcements section, a Featured Paper identified by a BRD Curator, and lists of papers that have been added recently as well as those that were recently viewed by you. A Twitter feed from the NCI Biospecimens account is also displayed. If you want to share information on the BRD, compose a new tweet via your personal Twitter account using the #BRD hashtag.



### Return to top of page

### **Simple Search Overview**

Located in the top right portion of the header on every BRD page, is a keyword search box labeled **Search BRD Papers.** You can search very quickly for any paper in the BRD by using any keyword including paper information, authors, free text, biospecimen location or type, or pre-analytical factor.

The Simple Search is highlighted in red in the screenshot below.

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? help					Sear	rch BRD Papers	Search
Home	Search 🔻	Suggest a New Paper	BBRB				
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### **Advanced Search Overview**

An Advanced Search includes all possible search criteria in a query format. This is the default search method. For more information, see Conducting an Advanced Search.

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### **Browse by Analyte Overview**

The **Browse by Analyte** search option displays the contents of the BRD in a table that is organized by both the analyte investigated and the biospecimen type and location used for analysis. The numbers within the table contain links to search results that correspond to the biospecimen type/location and analyte selected. From the Search Results page, you can toggle between results for other analytes for a given biospecimen type and location without the need to return to the **Browse by Analyte** page. For more information, see Browsing by Analyte.

Home	Search 🔻	Suggest a New Paper	BBRB								
Advance Bro	Advanced Search Browse by Analyte Browse by Pre-analytical Factor Search SOPs SOP Compendiums Browse by Analyte										
Select Choos	Select a Biospecimen Type:       Any         Choose a Biospecimen Type to narrow the list of Biospecimen Locations displayed below										
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Bios	pecimen		Analyte								
Loca	tion	Туре	DNA	RNA	Peptide	Protein	Morphology	Cell count/ volume	Other*		
Amni	otic Fluid	Bodily Fluid	0	0	0	1	0	0	0		
Aque	ous Humor	Bodily Fluid	0	0	0	1	0	0	0		
Bile		Bodily Fluid	0	0	0	1	0	0	0		
Blood	I.	Bodily Fluid	77	90	146	517	156	257	542		
Bone	Marrow	Bodily Fluid	1	2	0	0	0	0	0		
Brone	chial Lavage	Bodily Fluid	0	1	0	0	0	0	0		
Buffy	Coat	Bodily Fluid	8	3	1	4	0	6	3		
Cereb	prospinal Fluid	Bodily Fluid	0	0	7	9	0	3	4		

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### **Browse by Pre-analytical Factor Overview**

The Browse by Pre-analytical Factor search option displays the contents of the BRD in a table that is organized by the experimental questions addressed (pre-analytical factor) and the biospecimen type/location used for analysis. Due to the large number of pre-analytical factors captured by the BRD, the table can be restricted by selecting a Classification or directly entering a pre-analytical factor. The number links in the table represent all of the relevant papers in the BRD for the corresponding pre-analytical factor listed in the row. For more information, see Conducting a Pre-analytical Factor Search.

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or se	arch directly for a	Pre-analytic	al Factor.										
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Ant	ibiotic		Prea	quisition				0	0	0	0	0	0
Bio	marker level		Prea	quisition				60	38	40	8	0	9
Blo	od loss amount		Prea	quisition				0	0	0	0	0	3
Blo	od pressure		Prea	quisition				3	1	1	0	0	1
Cau	se of death		Prea	quisition				0	0	0	0	0	6
Diag	gnosis/ patient c	ondition	Prea	quisition				197	99	104	13	3	113
Dur	ation of anesthe	sia	Prea	quisition				1	0	1	0	0	0

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### Conducting a Simple Search

You can conduct a Simple Search for a paper from any BRD page. Enter any keyword associated with the area of interest (such as a tissue type, diagnosis, biomarker, fixative, anticoagulant, and so on) or a specific paper (such as the PubMed ID, title, journal, year, and so on). Note that gene symbol use within the BRD is not standardized and it is recommended that you search using the full gene name. Also, if you are searching for a specific author, use the Author(s) search option on the Advanced Search page. Specificity can be increased by including multiple words with or without search operators. If using multiple search operators, use parentheses to control query logic. Search operators that are supported by Simple Search, example queries, and their anticipated results are summarized in the table below.

Simple Search Operators	Example	Results
<b>Double quotes</b> (" ") will return curations that contain the exact phrase quoted.	"sodium heparin"	Curations containing the exact phrase <b>sodium</b> heparin
Including <b>AND</b> or <b>+</b> between search phrases will return curations that contain both search phrases. If more than one search term is entered, this search operator will be applied as the default.	formalin AND paraffin or formalin + paraffin or formalin paraffin	Curations containing both formalin and paraffin
Including <b>OR</b> between search phrases will return curations that contain either search term.	frozen OR fresh	Curations containing either frozen or fresh
Including <b>NOT</b> or - (minus) between search terms will return curations that do not contain the term that follows the operator. This operator must be used with a search term that will return results.	immunohistochemistry NOT "tissue microarray"	Curations containing <b>immunohistochemistry</b> b ut not <b>tissue microarray</b>

An <b>asterisk</b> (*) is a <i>wild-card</i> search operator that can replace any number of characters in a search term.	freeze-thaw cycl*	Curations containing either freeze-thaw cycle, f reeze-thaw cycles, or freeze-thaw cycling
It can be used in the beginning, middle or end of a search term.		
A <b>question mark (?)</b> is a <i>wild-card</i> search operator that replaces a single character in the search term.	K?EDTA	Curations containing the term K2EDTA or K3ED TA
It can be used in the beginning, middle or end of a search term. Multiple question marks can also be used within a single search term.		
A <b>tilde (~)</b> is a search operator that will return terms that are spelled similarly to the term that prefaces it.	anesthesia~	Curations containing the terms <b>anesthesia</b> , <b>ana esthesia</b> , or <b>anesthetized</b>
It should follow a single word search term.		
Search operators can be used together and parentheses can be used to group queries.	circulating AND (microRNA OR miRNA)	Curations containing circulating and either mic roRNA or miRNA
The proximity of two search terms to one another can be specified by placing the terms in quotations followed by	"circulating DNA"~2	Curations containing circulating DNA, circulati ng cell free DNA or circulating cell-free DNA.
a tilde (~) and the number of words allowable.		
a <b>tilde (~) and the number</b> of words allowable. Prefacing a search phrase with <b>pubMedId:</b> will limit the query for the search phrase to the PubMed ID field.	pubMedId: 24486652	A single curation with the PubMed ID 24486652
a <b>tilde (~) and the number</b> of words allowable. Prefacing a search phrase with <b>pubMedId:</b> will limit the query for the search phrase to the PubMed ID field. Prefacing a search phrase with <b>title:</b> will limit the query for the search phrase to the Paper Title field.	pubMedId: 24486652 title: hemoglobin	A single curation with the PubMed ID 24486652 Curations that contain the word <b>hemoglobin</b> in the paper's title
a <b>tilde (~) and the number</b> of words allowable. Prefacing a search phrase with <b>pubMedId:</b> will limit the query for the search phrase to the PubMed ID field. Prefacing a search phrase with <b>title:</b> will limit the query for the search phrase to the Paper Title field. Prefacing a search phrase with <b>publicationName:</b> will limit the query for the search phrase to the Journal of publication field.	pubMedId: 24486652 title: hemoglobin publicationName: Biopreserv Biobank	A single curation with the PubMed ID 24486652 Curations that contain the word hemoglobin in the paper's title Curations that were published in the journal Biopreserv Biobank
<ul> <li>a tilde (-) and the number of words allowable.</li> <li>Prefacing a search phrase with pubMedId: will limit the query for the search phrase to the PubMed ID field.</li> <li>Prefacing a search phrase with title: will limit the query for the search phrase to the Paper Title field.</li> <li>Prefacing a search phrase with publicationName: will limit the query for the search phrase to the Journal of publication field.</li> <li>Prefacing a search phrase with curatorPurpose: will limit the query for the search phrase to the Purpose of Paper field.</li> </ul>	pubMedId: 24486652 title: hemoglobin publicationName: Biopreserv Biobank curatorPurpose: "storage temperature"	A single curation with the PubMed ID 24486652 Curations that contain the word hemoglobin in the paper's title Curations that were published in the journal Biopreserv Biobank Curations that contain the exact phrase storage temperature in the Purpose of Paper field.
a tilde (-) and the number of words allowable. Prefacing a search phrase with pubMedId: will limit the query for the search phrase to the PubMed ID field. Prefacing a search phrase with title: will limit the query for the search phrase to the Paper Title field. Prefacing a search phrase with publicationName: will limit the query for the search phrase to the Journal of publication field. Prefacing a search phrase with curatorPurpose: will limit the query for the search phrase to the Purpose of Paper field. Prefacing a search phrase with curatorConclusion: will limit the query for the search phrase to the Conclusion of Paper field.	pubMedId: 24486652 title: hemoglobin publicationName: Biopreserv Biobank curatorPurpose: "storage temperature" curatorConclusion: clinically relevant	A single curation with the PubMed ID 24486652 Curations that contain the word hemoglobin in the paper's title Curations that were published in the journal Biopreserv Biobank Curations that contain the exact phrase storage temperature in the Purpose of Paper field. Curations that contain the words clinically and r elevant in the Conclusion of Paper field.
<ul> <li>a tilde (-) and the number of words allowable.</li> <li>Prefacing a search phrase with pubMedId: will limit the query for the search phrase to the PubMed ID field.</li> <li>Prefacing a search phrase with title: will limit the query for the search phrase to the Paper Title field.</li> <li>Prefacing a search phrase with publicationName: will limit the query for the search phrase to the Journal of publication field.</li> <li>Prefacing a search phrase with curatorPurpose: will limit the query for the search phrase to the Purpose of Paper field.</li> <li>Prefacing a search phrase with curatorConclusion: will limit the query for the search phrase to the Conclusion of Paper field.</li> <li>Prefacing a search phrase with purpose: will limit the query for the search phrase to the Conclusion of Paper field.</li> </ul>	pubMedId: 24486652title: hemoglobinpublicationName: Biopreserv BiobankcuratorPurpose: "storage temperature"curatorConclusion: clinically relevantpurpose: ischemia	A single curation with the PubMed ID 24486652 Curations that contain the word hemoglobin in the paper's title Curations that were published in the journal Biopreserv Biobank Curations that contain the exact phrase storage temperature in the Purpose of Paper field. Curations that contain the words clinically and r elevant in the Conclusion of Paper field. Curations that contain ischemia in the Study Purpose field.

### To conduct a Simple Search

1. At the top of any BRD page, find the Search BRD Papers box.

	Vational Ca	ancer Institute	·		at the National Institutes of Heal	lth I www.cancer.gov
BF		Biospecimen Research Database	BBRB Biorepositories and Biospecimen Research Branch	CDP Cancer Diagnosis Program	DCTD Division of Cancer Treatment and Diagnosis	
? help				Sear	ch BRD Papers	Search
Home	Search 🔻	Suggest a New Paper E	BRB			
Bi	ospecir	nen Research D	atabase		News and Announce	ements

2. Enter text relevant to a specific paper or your area of interest into the box. You can enter any keyword or multiple keywords separated by a space.

3. Press Enter or click Search. The search results page appears.

Home	Search 🔻	Suggest a New Paper	BBRB	
Advanced Sear	i Search E	rowse by Analyte Browse	e by Pre-ana	alytical Factor Search SOPs SOP Compendiums
Search r	esults for: bio	ppsy		
biopsy				Search Limit search to experimental comparisons
Increase s	specificity with	multiple words, separated by s	paces, or se	earch operators (AND, OR, NOT, etc.). Searching by full gene names is advised.
Pages:	1 2 s	3 4 5 6 7	8 9	10 16 17 Next →
Author(s Publicat	s): David KA, U tion: Oncotarg	y proteins in color Jnger FT, Uhlig P, Juhl H, Moor ref, 2014, <u>Vol. 5</u> , Page 11017-2	e HM, Comp 8	incer tissue. Iton C, Nashan B, Dörner A, de Weerth A, Zornig C
i. Stud The exp stud Uns Min arra	dy Purpose : e purpose of th pression profile dy. 40 snap fro specified numb iElute Cleanup ays.	is study was to determine the s of CRC, liver metastases, a zen specimens (vapor phase er of formalin-fixed, parafifme- Kit. Gene expression analysis	effects of wa nd normal ac of liquid nitro nbedded (FF was perform	arm ischemia and cold ischemia on the quantification of phosphorylated protein, IHC staining, and gene djacent tissue. Colon specimens from 50 patients and liver specimens from 43 patients were collected for the ogen) were used for the quantification of phosphorylated protein, while IHC analysis was performed on an PPE) specimens (fixed for 16-72 hours). RNA was extracted using phenol chloroform and the Qiagen RNeasy med using snap frozen specimens with RNA integrity numbers >7 and GeneChip Human Genome U133 Plus 2.0
Spe	cimens: Tissu	ie - Liver, Tissue - Colorectal	Preservatio	on Types: Formalin, Frozen Diagnoses: Neoplastic - Normal Adjacent, Neoplastic - Carcinoma
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Prot RNA	ein - Immunoh A - Bioanalyzer	istochemistry		

4. To make your search more specific, you may opt to select the Limit search to experimental comparisons box. This limits the search fields to Pre-analytical Factors and their values. For example, if you entered the term *biopsy* as a keyword and you limited your search to experimental comparisons, the search results would immediately refresh to show you only those papers in which *biopsy* was compared to other biospecimen procurement methods.

Home	Search 🔻	Suggest a New Paper	BBRB			
Advance	ed Search E	Browse by Analyte Browse	by Pre-ana	lytical Factor Search SOPs	SOP Cor	npendiums
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Search	results for: bi	opsy				
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Increase	specificity with	multiple words, separated by s	paces, or se	earch operators (AND, OR, NOT, e	tc.). Searcl	hing by full gene names is advised.
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39 stud	ies (38 papers)	found				
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### Conducting an Advanced Search

An Advanced Search of the Biospecimen Research Database provides you with the most control over search criteria and results in comparison to other search options.

When specifying search criteria in the Biospecimen Research Database, there are no required fields. You can add as much detail or only those criteria that you consider essential to the search. You can also select multiple search terms in the same list by selecting the first item, pressing and holding **Ctrl**, and then selecting the next item(s).



To conduct an Advanced Search

1.	Click Advanced	Search	which is	located	under the	Search tab.	The	Advanced	Search	page a	appears.
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- 2. For maximum search accuracy, specify search criteria by clicking items in the lists.
   To select multiple fields in the same list, click the first field, press and hold the CTRL key, and then click additional fields. The fields you select are highlighted and your search results contain all studies matching any of the fields. For example, if you select both the Cell and Fluid biospecimen types, your search results contain all studies that concern either cells or fluid.
  - When you select fields from different lists, you narrow your search. For example, if you select the Cell biospecimen type and the Kidney biospecimen location, your search results include studies that concern both cells and kidneys.

Note that the selections you make in the lists on the left determine the selections in the lists on the right. For example, (i) selecting the Biospecimen Type "Fluid" makes "Blood" an available Biospecimen Location.

The following table describes the Advanced Search criteria.

Advanced Search Criteria	Description
Specimen	
Biospecimen Type	Select the type of biospecimen (Tissue/Fluid/Cell).
	Select the bodily location from which the biospecimen was obtained.

Biospecimen Location	
Diagnosis	Select the term that identifies the nature of a disease or condition associated with the biospecimen.
Diagnosis Subcategory	Select the diagnosis subdivision that differentiates the disease within the larger category.
	Diagnosis Subcategory is only available for the diagnosis "neoplastic."
Preservative Type	Select the substances added to the biospecimen, or other treatment to protect it from chemical change or microbial action.
Platform	
Analyte	Select the analyte, or endpoint that was qualitatively or quantitatively examined in the biospecimen. Select "Morphology" for macro- and microscopic analysis.
Technology Platform	Select the specific technology used to analyze the biospecimen.
Author(s)	Enter the author's name(s) in the format of last name followed by first initial (first initial is optional). Separate authors' names by a comma. Use " * " as wildcard. Examples: Smith J, Doe L
	If an author's name has a special character in it, be sure to include that special character in your keyword search. You can only use special characters included in the UTF-8 character set.
Paper Type	Select among the paper type options: Review, Non-review, or All. If you do not select any search criteria prior to clicking the Search button, the search uses Paper Type: All as its default search criterion.
Pre- analytical Factors	
Classification	The type of biospecimen handling variable that was the subject of the study (pre-acquisition, post-acquisition, or platform specific)
Factor	The specific pre-analytical factor that was the subject of the study (e.g., the post-acquisition variable, "type of fixative," is a specific pre-analytical factor in a study that examines the effects of different types of tissue fixatives on molecular analysis).

3. If you want to search for items not present in the drop-down lists such as specific genes or biomarkers, enter those items in the Keyword box. Multiple words can be entered with or without a search operator to increase specificity. See Conduct a Simple Search for a list of supported search operators. This search method searches all fields including paper information, authors, summary fields, and Pre-analytical Factors and their values. The keyword search can be used together with other fields on the Advanced Search page.

٦.

Gene symbol use is not standardized, so search by the full gene name.

4. Click the **Search** button. Studies in the BRD that match your search criteria appear.

Search Criteria:	
Keyword(s):	estrogen receptor
Biospecimen Type:	Tissue
Biospecimen Location:	Breast
Diagnosis:	Neoplastic Advanced Search aritaria
Diagnosis Subcategory:	Carcinoma Advanced Gearch Chiteria
Paper Type:	Non-review
Classification:	Biospecimen Acquisition
Preanalytical va variable cold is	riables and phosphoepitope expression in FFPE tissue: quantitative epitope assessment afte chemic time.
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5. Page through the results or click any blue link to see study details.

Show and Hide Study Details

On the search results page, you can:

(i)

- · View a summary of all of the studies matching your search criteria.
- Click the paper title hyperlink to view detailed information about the paper.
- Click the Study Purpose hyperlink to view detailed information about the study.

Paper and study details are both on the Paper Details page. Click View More or View Less to show or hide the study details.

- Click Publiced to view that paper's listing in PubMed in a new browser window.
  Click most recent search results link at the top left of the page to return to the search page and search criteria you last used.
- Comment on the paper or study listed on the page by registering with Disgus or logging in with a social media account.

### Return to top of page

### Browsing by Analyte

When you browse the BRD by analyte, you can navigate between analytes for a given biospecimen location by clicking a number link in the table.

If a paper you are looking for appears to be missing, first run an Advanced Search and then consider suggesting a new paper. (i)

#### To browse by analyte

1. Click Browse by Analyte, which is located under the Search tab. The Browse by Analyte page appears, displaying all of the papers in the BRD within a table that is organized by biospecimen type and location and analyte(s) investigated.

Home	Search 💌	Suggest a New Pap	er BBRB						
Advan Bro	Advanced Search Browse by Analyte Browse by Pre-analytical Factor Search SOPs SOP Compendiums Browse by Analyte Science Discussion Pre-analytical Factor Search SOPs SOP Compendiums								
Choo	se a Biospecimer	Type to narrow the list of	of Biospecimen Lo	cations displa	ayed below				
Enter	a Biospecimen	Location:		Clear					
or sea	rch directly for a	Biospecimen Location.							
Bios	pecimen		Analyte						
Loca	ition	Туре	DNA	RNA	Peptide	Protein	Morphology	Cell count/ volume	Other*
Amn	iotic Fluid	Bodily Fluid	0	0	0	1	0	0	0
Aque	ous Humor	Bodily Fluid	0	0	0	1	0	0	0
Bile		Bodily Fluid	0	0	0	1	0	0	0
Bloo	d	Bodily Fluid	77	90	146	517	156	257	542
Bone	Marrow	Bodily Fluid	1	2	0	0	0	0	0
Bron	chial Lavage	Bodily Fluid	0	1	0	0	0	0	0
Buffy	Coat	Bodily Fluid	8	3	1	4	0	6	3
Cere	brospinal Fluid	Bodily Fluid	0	0	7	9	0	3	4

- 2. To search the database, do one of the following
  - a. If you only want to see results of one biospecimen type, choose it from the Select a Biospecimen Type list. The table immediately refreshes to show only those biospecimen locations and results for that biospecimen type. Specifying this filter option narrows your search.
  - b. If you want to search directly for one biospecimen location, type it into the Enter a Biospecimen Location box. The table immediately refreshes to show only those results for that biospecimen location. Specifying this filter option narrows your search.
  - c. Click a number link as explained in the following table.

Click a link in the	To see
Biospeci men columns	all research studies in the database that involve that biospecimen location or type

Analyte columns	all research studies in the database that involve that analyte
Body of the table	all research studies in the database that involve the unique combination of biospecimen location, biospecimen type, and analyte in that table row. The numerical link corresponds to the number of research papers that fulfill the search criteria combination.
	The numerical links do not add up to the total number of papers in the database. Each cell represents only the number of papers that meet the specified search criteria in this table. Many other search criteria can be accessed by conducting an Advanced Search.

### Studies that match of the criteria you selected appear in the table.

ranced search Browse by Analyte Browse by Pre-analytical Factor Search SUPS SUP Compendiums								
Browse by Ana	rowse by Analyte							
Select a Biospecimen Type: Choose a Biospecimen Type to	Bodily Fluid	specimen Lo	cations displa	yed below				
Enter a Biospecimen Location			Clear		C	Search results refr	esh automatically	
or search directly for a Biospeci	men Location.							
Biospecimen		Analyte						
Location	Туре	DNA	RNA	Peptide	Protein	Morphology	Cell count/ volume	Other*
Amniotic Fluid	Bodily Fluid	0	0	0	1	0	0	0
Aqueous Humor	Bodily Fluid	0	0	0	1	0	0	0
Bile	Bodily Fluid	0	0	0	1	0	0	0
Blood	Bodily Fluid	79	90	146	517	156	257	542
Bone Marrow	Bodily Fluid	1	2	0	0	0	0	0
Bronchial Lavage	Bodily Fluid	0	1	0	0	0	0	0
Buffy Coat	Bodily Fluid	8	3	1	4	0	6	3
Cerebrospinal Fluid	Bodily Fluid	0	0	7	9	0	3	4
Feces	Bodily Fluid	1	0	0	0	0	0	0
Other	Bodily Fluid	0	2	0	1	0	1	0

3. Click a link in the table, either a biospecimen location or a number. Note that in the screenshot above, the biospecimen type is not selectable because the previous search resulted in showing only those papers involving one biospecimen type.

Home Search - Suggest a New Paper BBRB
Advanced Search Browse by Analyte Browse by Pre-analytical Factor Search SOPs SOP Compendiums
Browse by Analyte
Browse by "DNA"
Type: Bodily Fluid Location: Plasma
Analyte: DNA (43)
Pages: 1 2 3 4 6 6 7 8 9 Next →
51 studies (43 papers) found
Stability of cell-free DNA from maternal plasma isolated following a single centrifugation step. Author(s): Barrett AN, Thadani HA, Laureano-Asibal C, Ponnusamy S, Choolani M Publication: <i>Prenat Diagn</i> , 2014, <u>Vol 34</u> , Page 1283-8
Pub
Found in 2 study(s)
Study Purpose:     The purpose of this study was to determine the effects of DNA extraction method on levels of total, maternal and fetal circulating cell-free DNA in plasma. Plasma was obtained by repeat centrifugation of blood collected from 10 pregnant women carrying a male fetus in K3EDTA vacutainers. Plasma was then frozen in Lo-Bind tubes at -80°C until extraction.
Specimens: Fluid - Plasma Preservation Types: Frozen Diagnoses: Pregnant
Diafarma

The studies matching your selection appear. Note that your search criteria appear above the list of papers and studies.

4. Page through the results or click any blue link to see study details. Note that you can filter your results by selecting an analyte from the Analyte list.

On the search results page, you can:

- View a summary of all of the studies matching your search criteria.
  Click the paper title hyperlink to view detailed information about the paper.
  Click the Study Purpose hyperlink to view detailed information about the study.



Show and Hide Study Details

Paper and study details are both on the Paper Details page. Click View More or View Less to show or hide the study details.

- Click Publiced to view that paper's listing in PubMed in a new browser window.
- Click the most recent search results link at the top left of the page to return to the search page and search criteria you last used.
- Comment on the paper listed on the page by registering with Disgus or logging in with a social media account.

#### Return to top of page

### Browsing by Pre-analytical Factor

Browsing by Pre-analytical Factor allows you to find research studies corresponding to selected Pre-analytical Factors.

If you are not able to find a specific paper, first run an Advanced Search and then consider suggesting a new paper. (i)

#### To browse by Pre-analytical Factor

1. Click Browse by Pre-analytical Factor, which is located under the Search tab. The Browse by Pre-analytical Factor page appears.

Search - Search								
ivanced Search Browse by Analyte Browse by Pre-analytical Factor Search SOPs SOP Compendiums Browse by Pre-analytical Factor								
Select a Classification: Choose a Classification to narrow th	ielect a Classification:  Any Choose a Classification to narrow the list of Pre-analytical Factors displayed below							
Enter a Pre-analytical Factor: Clear								
Pre-analytical Factor	Classification		Bodily	Bodily fluids			Cells/Tissu	
			Blood	Serum	Plasma	Urine	Saliva	
Anesthesia	Preaquisition		4	2	0	0	0	1
Antibiotic	Preaquisition		0	0	0	0	0	0
Biomarker level	Preaquisition		60	38	40	8	0	9
Blood loss amount	Preaquisition		0	0	0	0	0	3
Blood pressure	Preaquisition		3	1	1	0	0	1
Cause of death	Preaquisition		0	0	0	0	0	6
Diagnosis/ patient condition	Preaquisition		197	99	104	13	3	113
Duration of anesthesia	Preaquisition		1	0	1	0	0	0

- 2. To search the database, do one of the following
  - a. If you only want to see results of one Classification, select it from the first list. The table immediately refreshes to show only Preanalytical Factors assigned to that classification and results for each of those Pre-analytical Factors. Note that selecting an option here narrows your search and gives you fewer results.
  - b. If you only want to search directly for one Pre-analytical Factor, enter that term or factor in the text box. The table immediately refreshes to show results only for that term or Pre-analytical Factor. Note that all Classifications will be screened for the term or factor. Also, selecti ng an option here also narrows your search and gives you fewer results.
  - c. Click a number link as explained in the following table.

Click a link in the	To see				
Pre- analytical Factor column	all research papers and studies in the database that involve that Pre-analytical Factor				
Classificati on column	all research papers and studies in the database that involve that Classification				
Body of the table	all research papers and studies in the database that involve a unique combination of Pre-analytical Factor, Classification, and either bodily fluid or cells/tissue in that table row. The numerical link corresponds to the number of papers that fulfill the search criteria combination.				
	The numerical links do not add up to the total number of papers in the database. Each cell represents only the number of papers that meet the specified search criteria in this table. Many other search criteria can be accessed by conducting an Advanced Search.				

Studies that match of the criteria you select	ted appear. Note that your search crite	eria appear above the list of papers and studies
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Home	Search 🔻	Suggest a New Paper	BBRB	
Advan Brow	ced Search E se by Pre-analyt	Browse by Analyte Browse	by Pre-analytical Factor Search SOPs SOP Compendiums	
Bro	owse by	"Anesthesia"		
Classi Pre-ar Locat	ification: nalytical Factor: ion:	<b>Preaquisition</b> Anesthesia Serum		
Pages:	1			
2 stud	ies (2 papers) for	und		
Ref	erence va	lues for venous an	d capillary S100B in children.	
Autho	or(s): Astrand R,	Romner B, Lanke J, Undén J		
Publi	cation: Clin Chir	n Acta, 2011, <u>Vol. 412</u> , Page 21	90-3	
Put	Med			
Foun	d in 1 study(s)			
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s	pecimens: Fluid	I - Serum, Fluid - Blood Pres	ervation Types: Frozen Diagnoses: Other diagnoses	
F	Platforms: Protein - Clinical c	hemistry/auto analyzer		
	umman	marcine and the second		

3. Page through the results or click any blue link to see paper or study details.

///

On the search results page, you can:

- View a summary of all of the studies matching your search criteria.
- Click the paper title hyperlink to view detailed information about the paper.
- Click the Study Purpose hyperlink to view detailed information about the study.

Show and Hide Study Details (i) Paper and study details are both on the Paper Details page. Click View More or View Less to show or hide the study details.

- Click Publiced to view that paper's listing in PubMed in a new browser window.
  Click the most recent search results link at the top left of the page to return to the search results page and search criteria you last used.
  Comment on the paper listed on the page by registering with Disqus or logging in with a social media account.

### Return to top of page

# Viewing Paper and Study Details

Once you have searched the database and are viewing your results, click the paper title to open the Paper Details page, where you can view a paper's entire record. Click the Study Purpose and open the Paper Details page at the section for that study's details.

Effect of pre- and postmortem variab	les on specific mRNA levels in human br	ain.
Author(s): Burke W J, O'Malley K L, Chung H D, Harmon S	S K, Miller J P, Berg L	Click the paper title to
Publication: Brain Res Mol Brain Res, 1991, Vol. 11, Page	37	open the Paper Details
Pub	Click the study purpose to	page
Found in 1 study(s)	at the study details section	
i. Study Purpose: Polymerase chain reaction (PCR) wa forms of APP (APP695, APP751, and APP770) and be	is used to investigate which of eight pre- and four postmortem fa ta-actin mRNAs in the C1 region in the rostral ventral lateral med	ctors affect the stability of PNMT, three splice Iulla of human autopsy brain.
Specimens: Tissue - Bra Preservation Types: Froz	Diagnoses: Autopsy, Not specified	
Platforms: DNA - Southern blot		
Summary of Findings: The authors report that of the of was associated with increased levels of APP751. Of the levels of APP751 and beth action. The dash actions of any set of the set o	eight premortem variables examined, hypoxia was associated wi he four postmortem variables examined, postmortem interval an on interval correlated with increased levels of total APP and APP	th decreased levels of PNMT and seizure activity d storage interval correlated with depressed

Each paper includes one or more associated studies. Studies are defined as the set(s) of experiments within a paper that investigate different preanalytical factors, use different analytical platforms for analysis, or explore different biospecimen sample sets. For example, a paper that examines the effect of a biospecimen handling variable on RNA and protein analysis may have two studies in the database, one study describing the results of RNA analysis and one describing the results of protein mass spectroscopy analysis.

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- Study Purpose
- Information about biospecimen type and location
- Analyte studied
- Platform used
- Pre-analytical Factors
- Study Findings

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Preaquisition	Surgical procedure type	Fine needle aspiration Tissue resection
		₹ View less

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Comments:	B I S   I <sub>x</sub> ] I≡ □≡   ∃E IF   99 Styles - Format -
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