

Introducing SPREC in a software for Biobank



Daniele Mondello

2° International Conference & Exhibition on Tissue preservation and Bio-Banking Philadelphia, USA September 09-12-2016





Olomedia

When start-up enthusiasm meets the experience of pros

Thanks to our passion and constant updating, we are the perfect partner for private and public companies that want to improve their operational processes with new technologies. We lean towards partner satisfaction with the aim of catering for the business, providing innovative software products and solutions for IT management.Our core business is to develop "web based" healthcare solutions and to develop software.







Features of our software

USER FRIENDLY

TOTALLY CONFIGURABLE

BIO BIM DLOMEDIA SPREC in a software for Biobank Philadelphia, USA September 12-13 2016

WEB BASED



Apps for smartphone





"lo sono pulito"

The game (produced in collaboration with Rotary Organization) promotes health and civic education among adolescents in school.



"Tombola"

The Electronic version of a traditional board game, similar to the game of bingo. Tombola is mostly played during Christmas time.





"DoctOral"

Doctoral provides a guided path for:

- diagnosis of oral lesions
- a patient's dental treatment who is subject to osteonecrosis



"Word Counter"

Enter any text via keyboard (or paste it from other applications), and WordCounter calculates the number of sentences, words and characters.

Our software for Health Sector

| | | | J | |
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| el | e S.p.A. | Campioni Ricerca Strumenti | Jtenti | Admin 🖶 |
| el | 2016 🔒 | Accettazione Amminis | | りの |
| | | Data 15/07/2016 11:17 valente | e maria giovanna 🔒 | Stampa 💉 Modifica |
| 6 0 | ore 11:16 | Numero/Anno | 155 1 2016 | |
| | | Data Accettazione | 15/07/2016 II Ora 11:16 | |
| | | Cognome | Gobbs Nome Leigia | |
| | | Data di Nascita | 09/11/1936 | |
| | Consenso Privacy | Sesso | F | |
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| | Campioni | Codice Fiscale | GB8LGU36S49(6343 | |
| | | Cittadinanza | Italia | |
| | Terapia In Atto | Telefono | Mobile 347/9581529 | |
| | | Email | | |
| | | Stato Civile | Vedovo/a | |
| | | Istruzione: | Lic. Elem. | |
| _ | | Professione: | Ritirato/inabile | |

oloREFERTI

oloCUP

The solution for healthcare organizations for managing booking, admissions, invoicing, audit reporting of outpatient visits and diagnostic tests. oloCUP allows to administer agendas, re-scheduling and exemptions.

oloPS

oloPS helps medical and paramedical teams in emergency departments for triage and the cure of patients; it simplifies the collaboration and optimization of these operations.

oloREFERTI

oloREFERTI allows to write and archive electronically signed medical reports, patients can get them through the web. The system alerts users by sms or email to allow them to download their results.

oloHEALTH

The full-featured software for medical and nursing records. It allows to manage bed occupancy, patient's personal details, admissions, discharges, therapeutic and diagnostic workflows including anamnesis, clinical records, medical prescriptions, drug dosage, admission and discharge charts, etc. oloHEALTH can also interface with other external softwares to calculate DRGs and DTSs

oloHEALTH_BioBank



"Freeing the physician from duties to honor the Hippocratic Oath"

Medical and nursing care records in a unique software, easy to use, accessible from any device and scalable to any business need. oloHEALTH allows the management of beds, master data, procedures for acceptance and resignation, prescription and therapy, and all the diagnostic and care Work Flow. And if this is not what you need lets design it together! oloHEALTH is part of the oloHIS suite finalized



oloHEALTH is part of the oloHIS suite finalized for healthcare organizations.

BioBIM

The BioBIM is an organized collection of biological samples obtained from individuals attending several Italian institutions. The BioBIM operates under the auspices of the San Raffaele Hospital and Research Institute in Rome, Italy, a private Scientific Institution certified by the Italian Minister of Health. The BioBIM is ISO certified.

BioBIM operates with the aims of:



collecting and analyzing high-quality biological specimens from all participating Units, in an efficient, organized and accessible manner.



connecting professionals with each other, to provide a multidisciplinary research structure, properly embedded into European ethical and legal frameworks.



facilitating translational research, enabling the participants to apply biomarker discoveries to clinical outcome studies and novel targets for therapy.



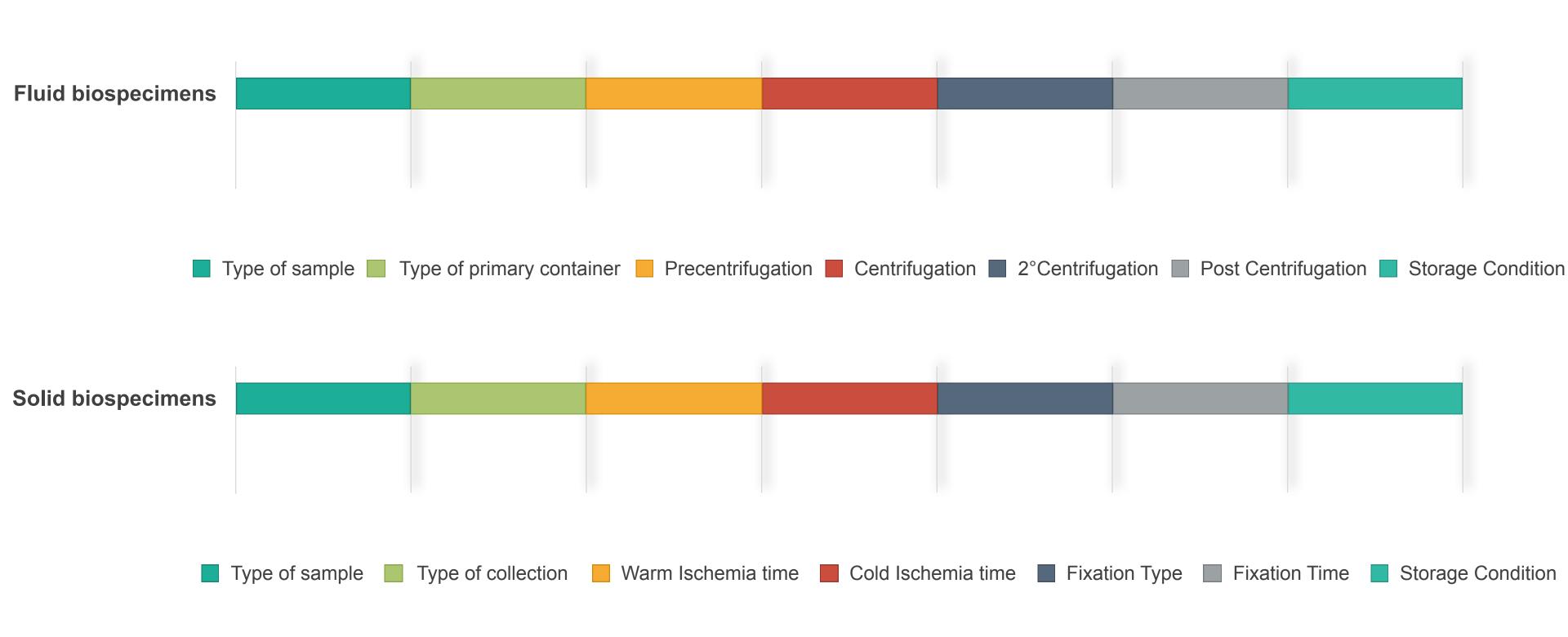
What is SPREC Code?



SPREC CODE

SPREC has released by The ISBER (International Society for Biological Environment **Repositories)** Biospecimen Science Working Group. Sprec is aimed at standard coding of the preanalytical options which have been adopted, in order to track and make explicit preanalytic variations in collection, preparation and storage of specimens. Each biospecimen is assigned to a seven-element-long code that corresponds to seven preanalytical variables and contains a string of letters (different for fluid or for solid tissues) in a defined order, separated by hyphens.

SPREC Code



SPREC Code Tables for FLUID

| Type of sample | | | |
|--|-----|--|-------------------|
| Ascites fluid | ASC | Type of primary container | |
| Amniotic fluid | AMN | Vacutainer acid citrate dextrose or equivalent | |
| Bronchoalveolar lavage | BAL | Vacutainer citrate phosphate dextrose or equivalent | t |
| Blood (whole) | BLD | Vacutainer lithium heparin or equivalent Vacutainer hirudin or equivalent | |
| | | Oragene collection container or equivalent | |
| Bone marrow aspirate | BMA | Paxgene blood RNA+ | |
| Breast milk | ВМК | Vacutainer potassium EDTA or equivalent | |
| Buccal cells | BUC | S8820 protease inhibitor tablets or equivalent | |
| Unficolled buffy coat, viable | BUF | Protease inhibitors | |
| Ficoll mononuclear cells, viable | CEL | Polypropylene tube sterile | |
| Fresh cells from non blood specimen type | CEN | Paxgene blood DNA | |
| Cells from nonblood specimen type (e.g., disrupted | CLN | Paxgene bone marrow RNA | |
| tissue), viable | | Vacutainer sodium citrate or equivalent | |
| Cord blood | CRD | Vacutainer sodium EDTA or equivalent | |
| Cerebrospinal fluid | CSF | Vacutainer sodium fluoride/potassium oxalate or equivalent | |
| Nasal washing | NAS | Vacutainer serum separator tube or equivalent | |
| Ficoll mononuclear cells, nonviable | PEL | Tempus tube | |
| Cells from nonblood specimen type (e.g., disrupted | PEN | Vacutainer trace elements | |
| tissue), nonviable | | Unknown | |
| Pleural fluid | PFL | Other | _ |
| Plasma, single spun | PL1 | | |
| Plasma, double spun | PL2 | Precentrifugation (delay between collection and proc | essing) |
| Saliva | SAL | RT* | <2 h |
| Semen | SEM | 3°C to 7°C | <2 h |
| Serum | SER | RT | 2-4 h |
| Sputum | SPT | 3°C to 7°C | 2-4 h |
| Stool | STL | RT | 4-8 h |
| | | 3°C to 7°C RT | 4-8 h |
| Synovial fluid | SYN | 3°C to 7°C | 8-12 h |
| Tears | TER | RT | 8-12 h 12-24 h |
| 24-h urine | U24 | 3°C to 7°C | 12-24 h |
| Urine | URN | RT | 24-48 h |
| Other | ZZZ | 3°C to 7°C | 24-48 h |
| | | RT | >48 h |
| | | | |

| Centrifugation |
|--------------------------|
| RT 10 min |
| RT 10 min |
| 3°C to 7°C 10 min |
| 3°C to 7°C 10 min |
| RT 10 min |
| 3°C to 7°C 10 min |
| RT 10 min |
| 3°C to 7°C 10 min |
| RT 10 min |
| 3°C to 7°C 10 min |
| No centrifugation |
| Unknown |
| Other |
| - |
| Second centrifugation |
| RT 10 min |
| RT 10 min |
| 3°C to 7°C 10 min |
| 3°C to 7°C 10 min |
| RT 10 min |
| 3°C to 7°C 10 min |
| RT 10 min |
| 3-7°C 10 min |
| RT 10 min |
| 3°C to 7°C 10 min |
| No second centrifugation |
| Unknown |
| Other |
| |

ACD CPD

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PI1 ΡΙΧ PPS PXD PXR SCI SED SPO

SST TEM TRC XXX ZZZ

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>48 h

<2 h

3°C to 7°C

Unknown

Other

35°C to 38°C

| <3,000 g no braking | Α |
|-----------------------------|---|
| <3,000 g with braking | В |
| <3,000 g no braking | С |
| <3,000 g with braking | D |
| 3,000-6,000 g with braking | Е |
| 3,000-6,000 g with braking | F |
| 6,000-10,000 g with braking | G |
| 6,000-10,000 g with braking | Η |
| >10,000 g with braking | I |
| >10,000 g with braking | J |
| | N |
| | Х |
| | Z |

| Postcentrifugation delay | |
|--------------------------|---|
| <1 h 3°C to 7°C | А |
| <1 h RT | В |
| 1-2 h 3°C to 7°C | С |
| 1-2 h RT | D |
| 2-8 h 3°C to 7°C | E |
| 2-8 h RT | F |
| 8-24 h 3°C to 7°C | G |
| 8-24 h RT | Н |
| >24 h 3°C to 7°C | I |
| >24 h RT | J |
| Unknown | Х |
| Other | Z |
| | |

| <3,000 g no braking | Α |
|-----------------------------|---|
| <3,000 g with braking | В |
| <3,000 g no braking | С |
| <3,000 g with braking | D |
| 3,000-6,000 g with braking | Е |
| 3,000-6,000 g with braking | F |
| 6,000-10,000g with braking | G |
| 6,000-10,000 g with braking | Н |
| >10,000 g with braking | Ι |
| >10,000 g with braking | J |
| | Ν |
| | Х |
| | Ζ |
| | |

| Long-term storage | | |
|-------------------------------|-------------------------------------|---|
| PP tube 0.5-2 mL [†] | -85°C to -60°C | Α |
| PP tube 0.5-2 mL | -35°C to -18°C | В |
| Cryotube 1-2 mL | Liquid nitrogen [‡] | С |
| Cryotube 1-2 mL | −85°C to −60°C | D |
| Cryotube 1-2 mL | Programmable freezing to <-135°C | E |
| Straw | Liquid nitrogen | F |
| Straw | -85°C to -60°C | G |
| Straw | −35°C to −18°C | Н |
| Straw | Programmable freezing to <-135°C | I |
| PP tube ≥5 mL | -85°C to -60°C | J |
| PP tube ≥5 mL | −35°C to −18°C | Κ |
| Microplate | −85°C to −60°C | L |
| Microplate | −35°C to −18°C | Μ |
| Paraffin block | RT | Ρ |
| Unknown | | Х |
| Other | | Ζ |

SPREC Code Tables for SOLID

| Type of sample | |
|---|-----|
| Fresh cells from nonblood specimen type | CEN |
| Cells from nonblood specimen type (e.g., disrupted tissue), viable | CLN |
| Cells from fine needle aspirate | FNA |
| Hair | HAR |
| Cells from laser capture microdissected tissue | LCM |
| Cells from nonblood specimen type (e.g., disrupted tissue), nonviable | PEN |
| Solid tissue | TIS |
| Cells from disrupted tissue | LCM |
| Other | ZZZ |
| | |

| old ischemia time | |
|--------------------------------|---|
| <2 min | A |
| 2-10 min | В |
| 10-20 min | С |
| 20-30 min | D |
| 30-60 min | E |
| >60 min | F |
| Unknown | Х |
| Not applicable (e.g., autopsy) | N |
| Other | Z |

| xation type | |
|------------------------------------|-----|
| Nonaldehyde with acetic acid | ACA |
| Aldehyde based | ALD |
| Alcohol based | ETH |
| Nonbuffered formalin | FOR |
| Snap freezing | SNP |
| Nonaldehyde without acetic acid | NAA |
| Neutral buffered formalin | NBF |
| Optimum cutting temperature medium | ОСТ |
| RNA Later | RNL |
| Unknown | XXX |
| Other | ZZZ |

| Type of collection | |
|----------------------------|-----|
| Autopsy <6 h postmortem | A06 |
| Autopsy 6-12 h postmortem | A12 |
| Autopsy 12-24 h postmortem | A24 |
| Autopsy 24-48 h postmortem | A48 |
| Autopsy 48-72 h postmortem | A72 |
| Biopsy | BPS |
| Fine needle aspirate | FNA |
| Punction | PUN |
| Surgical excision | SRG |
| Swab | SWB |
| Other | ZZZ |

| Warm ischemia time | |
|-------------------------------|---|
| <2 min | А |
| 2-10 min | В |
| 10-20 min | С |
| 20-30 min | D |
| 30-60 min | E |
| >60 min | F |
| Unknown | Х |
| Not applicable (e.g., biopsy) | N |
| Other | Z |

| ixation time | |
|---------------|---|
| <15 min | А |
| 15 min to 1 h | В |
| 1-4 h | С |
| 4-8 h | D |
| 8-24 h | E |
| 24-48 h | F |
| 48-72 h | G |
| Unknown | X |
| Other | Z |

| Long-term storage | | |
|-------------------|-------------------------------------|---|
| PP tube 0.5-2 mL* | -85°C to -60°C | Α |
| PP tube 0.5-2 mL | -35°C to -18)°C | в |
| Cryotube 1-2 mL | Liquid nitrogen [†] | С |
| Cryotube 1-2 mL | -85°C to -60°C | D |
| Cryotube 1-2 mL | Programmable freezing to <-135°C | Е |
| Straw | Liquid nitrogen | F |
| Straw | -85°C to -60°C | G |
| Straw | -35°C to -18°C | н |
| Straw | Programmable freezing to <-135°C | I |
| PP tube ≥5 mL | -85°C to -60°C | J |
| PP tube ≥5 mL | –35°C to –18°C | κ |
| Microplate | -85°C to -60°C | L |
| Microplate | −35°C to −18°C | М |
| Paraffin block | RT | Ρ |
| Unknown | | Х |
| Other | | Ζ |

SPREC for a serum specimen

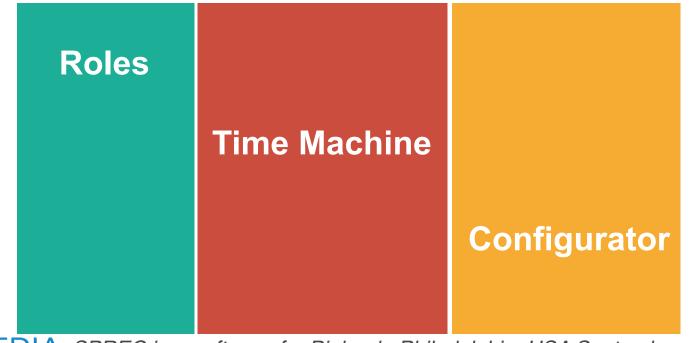
SER-SST-A-E-N-A-G

This corresponds to a serum (SER) specimen that has been collected from a serum collection tube (SST), whose precentrifugation delay is <2 hours at room temperature (A); centrifugation has been done at ambient temperature at 3,000 to 6,000 g with braking (E). Only one centrifugation step was done (N) and the delay between centrifugation and freezing was <1 hour at 3°C to 7°C (A). Serum was stored in straws at a temperature between -85° C and -60° C (G).



oloHEALTH-BioBank overview 1/3

| Image: Color Colo | |
|---|---|
| | |
| | |
| Per ottenere migliori prestazioni e dettagli grafici nell'utilizzo dell'applicazione consigliamo di utilizzare Firefox, Safari o Google Chrome | |
| La tua configurazione di sistema è: Browser: Safari v. 602.1.50 Cookies: Enabled Platform: MacIntel oloHEALTH Version:20160811165135016 Configuration date: 2016-09-13 06:21:51 | |
| Powered by | |
| | _ |



Bio BIM DLOMEDIA SPREC in a software for Biobank Philadelphia, USA September 12-13 2016

Time Machine

N 100 - 100

T San Raffaele S.p.A.

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| Cartella n. 155 del 2016 🔒 | | | | | | | | |
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| | | | | | | | | |
| Entrata il 15/07/2016 ore 11:16 | | | | | | | | |
| Età 79 Sesso F | | | | | | | | |
| | | | | | | | | |
| Accettazione Amministrativa | | | | | | | | |
| Anamnesi Campioni | | | | | | | | |
| Aliquote | | | | | | | | |
| Stampa Cartella | | | | | | | | |

| Time | Machine | | | | <u>Torna alla scheda</u> |
|------|----------------|------------|----------|---------|--------------------------|
| | Data Creazione | modifica | Ora | Utente | Operazione |
| Q | 15/07/2016 | 24/08/2016 | 17:26:06 | admin | Aggiornamento |
| Q | 15/07/2016 | 24/08/2016 | 17:25:42 | admin | Aggiornamento |
| Q | 15/07/2016 | 24/08/2016 | 16:49:13 | admin | Aggiornamento |
| Q | 15/07/2016 | 15/07/2016 | 11:32:13 | valente | Inserimento |
| | | | | | |

| Anamnesi | | | | | | |
|--|--|--|--|--|--|--|
| Data 15/07/2016 valente maria giovanna 🔒 | | | | | | |
| Provenienza | | | | | | |
| Inviato da | S.GIOVANNI | | | | | |
| Gruppo Sanguigno | iruppo Sanguigno II RH | | | | | |
| Gruppo | | | | | | |
| Lista | Si II ONCOLOGIA | | | | | |
| Anamnesi Fisiologica: misure antropometriche | | | | | | |
| Peso (Kg) | 54 II Altezza (m) 1.60 II BMI 21.1 | | | | | |
| Circonferenza addominale | Il Circonferenza vita 60 II Ciconferenza fianchi 72 | | | | | |
| Diametro bisacromiale | 36 II Rapporto vita/fianchi 0.83 | | | | | |
| Anamnesi Fisiologica: stile d | li vita | | | | | |
| Fumatore | Si ii sig./giorno 20 ii Ex fumatore No | | | | | |
| Alcool | Si II Vino II bicchieri/giorno 1 II assunto in passato (>5 aa) | | | | | |
| Caffè | Si # tazzine/giorno 2 | | | | | |
| Contanua d'abusa | Ala | | | | | |

Time Machine Express

| Entrata il 15/07/2016 c Età 79 Sesso F | |
|---|---------------------|
| Accettazione Amministrativa | Consenso Privacy |
| Anamnesi | Campioni |
| Aliquote | Terapia In Atto |
| Stampa Cartella | |

| Anamnesi | | | | | | | - | | | |
|--|------------------------|----------------------------------|---------------------------|------------------|------------------|---|---|--|--|--|
| Data 15/07/2016 | Stampa | Nodifica 💉 | | | | | | | | |
| Provenienza | | | | | | | | | | |
| Inviato da | | S.G | S.GIOVANNI | | | | | | | |
| Gruppo Sanguig | no | [] RH [] | | | | | | | | |
| Gruppo | | | | | | | | | | |
| Lista | | Si | ONCOLOGIA | | | | | | | |
| Anamnesi Fisiologica: misure antropometriche | | | | | | | | | | |
| Peso (Kg) | | 54 | Altezza (m) 1.60 | BMI 21.1 | | | | | | |
| Circonferenza ad | dominale | | Circonferenza vita | Ciconferenza | fianchi 72 | 2 | | | | |
| Diametro bisacro | omiale | 36 II Rapporto vita/fianchi 0.83 | | | | | | | | |
| Anamnesi Fisio | ologica: stile di | i vita | | | | | | | | |
| Fumatore | | No | | | | | | | | |
| Alcool | Data | | Utente | × (>5 aa) 🛛 | | | | | | |
| Caffè | 2016-07-15 | | valente maria | Azione | Valore | | | | | |
| Sostanze d'abu | 11:32:13 | | giovanna | Inserimento | No | | | | | |
| Attività fisica | 2016-08-24 | admin admin | | Aggiornamento Si | | | | | | |
| Abitudini alimer | 16:49:13 | admin admin | | Aggiornamento Si | | | | | | |
| Anamnesi Fisi | 2016-08-24 | admin admin | | Aggiornamento | Aggiornamento Si | | | | | |
| SBP | | | | | | | | | | |
| DBP | 2016-08-24 17:26:06 | | admin admin Aggiornamento | | No | | | | | |
| Frequenza Card [battiti/min] | | | | | | | | | | |
| Menarca - Meno | opausa - Terap | ia Or | monale Sostitutiva | 1 | | | | | | |
| Età menarca | | 15 | | | | | | | | |

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| Cartella n. 155 del 2016 🔒 | Anamnesi | Ф.Ф | Cartella n. 155 del 2016 🔒 | Campioni | 🕂 Q 🖓 (| | |
|---|---------------------------------------|--|--|---|--|--|--|
| | Data 15/07/2016 valente maria | | Entrata il 15/07/2016 ore 11:16 | Data 22/07/2016 valente maria giovanna 🚦 📑 Stampa 📑 Documenti 💉 Mod | | | |
| Entrata il 15/07/2016 ore 11:16 Provenienza | | | | Prelievo | FOLLOW UP | | |
| Età 79 Sesso F | Inviato da | S.GIOVANNI | Età 79 Sesso F | ID Campione | 67890 | | |
| | Gruppo Sanguigno | I RH | | Tipologia | URINE CENTRIFUGATE IN TUBI DA 2 ML | | |
| | Gruppo | | | Aliquote | 50 #Aliq.Prelevate #Aliq.Residue 50 | | |
| Accettazione | Lista | Si II ONCOLOGIA | Accettazione Amministrativa Consenso Privacy | Reparto | UO Pediatria II Note reparto | | |
| Privacy | Anamnesi Fisiologica: misi | | | Box | 6 # Freezer 565 # Ripiano 123 | | |
| Anamnesi Campioni | Peso (Kg) | 54 # Altezza (m) 1.60 # BMI 21.1 | Anamnesi Tampioni | Campione idoneo | Si | | |
| Anamnesi Campioni | Circonferenza addominale | I Circonferenza vita 60 I Ciconferenza fianchi 72 | | Note | | | |
| | Diametro bisacromiale | 36 II Rapporto vita/fianchi 0.83 | Ŷ∏ | SPREC 2.0 | | | |
| Aliquote Terapia In Atto | Anamnesi Fisiologica: stile | | Aliquote Terapia In Atto | Natura del campione Fluido | | | |
| 21 | Fumatore | No | | Tipo di campione | Blood(whole) [BLD] | | |
| Stampa Cartella | Alcool | Si IVino Ibicchieri/giorno 1 I assunto in passato (>5 aa) | Stampa Cartella | Tipo di contenitore | Additives [ADD] | | |
| | Caffè | Si II tazzine/giorno 2 | | primario | | | |
| | Sostanze d'abuso | No | luglio, 2016 0 Val | Ritardo precentrifugazione | RT <2h [A] | | |
| | Attività fisica | No | lun mar mar sia yan ant dam | Centrifugazione | 2°C to 10°C 10 to 15min 0 <3,000 g [C] | | |
| | Abitudini alimentari | Dieta ipolipidica | lun mar mer gio ven sab dom | Seconda | No centrifugation [N] | | |
| | Anamnesi Fisiologica: valo | ri pressori | 27 28 29 30 1 2 3 | centrifugazione | ······································ | | |
| | SBP | 130 | 4 5 6 7 8 9 10 | Ritardo | RT 1-2 h [D] | | |
| | DBP | 70 | 11 12 13 14 <u>15</u> 16 17 | postcentrifugazione | Straw Liquid altragon [E] | | |
| | Frequenza Cardiaca | | 18 19 <u>20</u> 21 <u>22</u> 23 24 | Conservazione a lungo termine | Straw Liquid nitrogen [F] | | |
| | [battiti/min] | | 25 26 27 28 29 30 31 | SPREC | Si | | |
| | Menarca - Menopausa - Ter | | 7 2016 Val | Codice SPREC | BLD-ADD-A-C-N-D-F | | |
| | Età menarca | 15 | | | | | |
| | Parti | Si ii 3 | Data Num. compilazioni | Data 22/07/2016 admin ad | dmin 🔒 👔 Documenti 💉 M | | |
| | Allattamento | Si | Q 22/07/2016 2 | | | | |
| | Aborti | Si II | Q 20/07/2016 1 | Prelievo | FOLLOW UP | | |
| | Uso di contraccettivi orali | No | Q 15/07/2016 1 | ID Campione | 58978 | | |
| | Menopausa | Si | | Tipologia | LITIO EPARINA | | |
| | Età menopausa | 53 Il Tipo menopausa Fisiologica | | Aliquote | 50 Aliq.Prelevate Aliq.Residue 40 | | |
| | Terapia ormonale sostitutiva | No | | Reparto | San Giovanni II Note reparto | | |
| | Anamnesi Familiare | Na | | Box | 1 IFreezer 2 IRipiano 12 | | |
| | Ipertensione | No | | Campione idoneo | Si | | |
| | Diabete Batologio corobrovascolari | No | | Note | | | |
| | Patologie cerebrovascolari | No | | SPREC 2.0 | | | |
| | Patologie cardiovascolari | No | | Natura del campione | Fluido | | |
| | Patologie emorragiche | No Si. II Klaupia madro a 65 ag. k mammalla sorolla a 47 ag. 2 fratelli di qui 1 agg. k | | Tipo di campione | Blood(whole) [BLD] | | |
| | - Patologia noonlastiono | | · | Tipo di contenitore | Additives (ADD) | | |

oloHEALTH-BioBIM overview 3/3

| | ella n | . 155 (| del 20 | 16 🛔 | | | Aliquote | | | | • ୧.୦ ୭ |
|------------------------|-----------------|-----------------|----------|--------------|------------------|-------------|----------------------------------|------------------|------------------------|----------|---------------------|
| | | | | | | | Data 24/08/2016 16:4 | 44 admin admin 🔒 | | É | 🔒 Stampa 💉 Modifica |
| Entra | ta il 15 | /07/201 | l6 ore | 11:16 | | | Prelievo | | | | |
| Età 7 | 9 Sess | οF | | | | | Cod.Campione | Tipo Richiedente | Richiedente | Progetto | Aliq. Prelev. |
| | | | | | | | 12345 | Reparto | UO Medicina | ricerca | 5 |
| Amministrativa Privacy | | | | | | i | Data 22/07/2016 11:0 Prelievo | | | | Stampa 💉 Modifica |
| Anamnesi Campioni | | | " | Cod.Campione | Tipo Richiedente | Richiedente | Progetto | Aliq. Prelev. | | | |
| ŶE | Aliquo | to | Ş | | erapia I | n Atto | 58978 | Ricercatore | yokohama university | research | 10 |
| | Stamp Cartel | | | | Val | | | | | | |
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| BIOBIM | Cartelle Campioni Rice | erca Strumenti Utent | i | | | | | |
| Campioni | | | | | | | | |
| Cognome | Nome | Numero | Anno | Gruppo | Sale Ksale Ksal | Codice SPREC | | |
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| Filtro: Anamnesi | Filtro: Anamnesi Image: Constraint of the second s | | | | | | | |
| Elenco Campi (Elenco delle varial | bili da aggiungere per l'esp | portazione in excel) | | | | | | |
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| Aggiungi Filtro Aggiungi Campo Annulla Filtri Cerca | | | | | | | | |
| # Nominativo Data Nascita P | Prelievo S. Prelievo | ID Campione Tipolog | ia Aliquote | Box Freezer | Ripiano Tipol | ogia Co | odice SPREC | |
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| | | Esporta i | n Excel | | · · · | | | |



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| Prelievo | 1° PRELIEVO | | | | Prelievo | 1º PRELIEVO 📀 |
| ID Campione | 12345 | | | | ID Campione | 12345 |
| Tipologia | SANGUE IN TOTO | | | | Tipologia | SANGUE IN TOTO |
| Aliquote | 50 Aliq.Prelevate Aliq.Residue 50 | | | | Aliquote | 50 # Aliq.Prelevate # Aliq.Residue 50 |
| Reparto | San Giovanni III Note reparto | | | | Reparto | San Giovanni 🗘 🗄 Note reparto |
| Box | Freezer Ripiano | | | | Box | |
| Campione idoneo | Si | | | | | |
| Note | | | | | Campione idoneo | O Si O No |
| SPREC 2.0 | | | | | Note | |
| Natura del campione | Fluido | | | | SPREC 2.0 | |
| Tipo di campione | Blood(whole) [BLD] | | | | Natura del campione | Chuida Calida |
| Tipo di contenitore | Paxgene blood RNA+ [PAX] | | | | | • Fluido Solido |
| primario | | | | | Tipo di campione | Blood(whole) [BLD] |
| Ritardo precentrifugazione | RT <2h [A] | | | | Tipo di contenitore primario | Paxgene blood RNA+ [PAX] |
| Centrifugazione | RT 10 to 15min 0 <3,000 g [A] | | | | Ritardo precentrifugazione | RT <2h [A] |
| Seconda centrifugazione | | | | | Centrifugazione | RT 10 to 15min 0 <3,000 g [A] |
| Ritardo postcentrifugazione | | | | | Seconda centrifugazione | |
| Conservazione a lungo termine | | | | | Ritardo postcentrifugazione | |
| SPREC | | | | | Conservazione a lungo termine | |
| | | | | | SPREC | |
| | | | | | Codice SPREC | |
| | | | | | | Conferma Annulla |









info@danielemondello.it



@dmondello



