



UNIVERSITÀ
DEGLI STUDI DI TRIESTE

Dipartimento di Scienze Chimiche e Farmaceutiche

Trieste, 18.11.2022

Descrizione	Quantità
Standard sealed electrochemical cell with 5 holes, capacity 30 to 1.000 ml	2
Saturated calomel reference electrode	1
Ag/AgCl Silver chloride reference electrode	1
Salt bridge with frit for reference electrode	1
Platinum mesh counter electrodes with PTFE rod, mesh size 60	1
Luggin capillary tube	2
Sample holder for electrochemical cell	1

Università degli Studi di Trieste

Dipartimento di Scienze Chimiche e Farmaceutiche

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RODRIGUES LEITAO MARIA JOAO

Da: Michele Cacioppo <mcacioppo@icbiomagune.es>
Inviato: lunedì 14 novembre 2022 15:46
A: RODRIGUES LEITAO MARIA JOAO
Oggetto: I: R: Fw: Info electrochemical cell

Da: sales3@corrtest.com.cn <sales3@corrtest.com.cn>
Inviato: venerdì 11 novembre 2022 06:56
A: Michele Cacioppo <mcacioppo@icbiomagune.es>
Oggetto: Re: R: Fw: Info electrochemical cell

Dear Sir,

We have only the below 3 green marked items.

- Sealed electrolytic cell (CS935S) with 5 ports: Volume 30 mL
- Compatible: Ag/AgCl reference electrode silver silver chloride electrode (CS901)
- Compatible: Electrode clamp (CS945)
- Compatible glass ceramic core salt bridge for counter electrode
- 2 x compatible glass capillary (for gas-in and gas-out) that will be used for connection to Swagelok of ¼ inch

Best regards

Mrs. Li. Zhang



Wuhan Corrtest Instruments Corp., Ltd.

505, Jinfeng Hall A, International Enterprise Center,

Optics valley Ave., East lake High-tech Dev. Zone, Wuhan, China, 430074

Tel: (+86) 27 67849450 ext.28 Email: sales3@corrtest.com.cn

Cell/Whatsapp: +86 135 8586 3997 Wechat: zhangli3997 <http://www.corrtest.com.cn/en>

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From: [Michele Cacioppo](mailto:mcacioppo@icbiomagune.es)

Date: 2022-11-10 20:45

To: sales3@corrtest.com.cn

Subject: R: Fw: Info electrochemical cell

Thank you very much for the feedback,

according to the list I shared,

I would need:

- Sealed electrolytic cell (CS935S) with 5 ports: Volume 30 mL
- Compatible: Ag/AgCl reference electrode silver silver chloride electrode (CS901)
- Compatible: Electrode clamp (CS945)
- Compatible glass ceramic core salt bridge for counter electrode
- 2 x compatible glass capillary (for gas-in and gas-out) that will be used for connection to Swagelok of ¼ inch

I did not find part of the items of the above list in your brochure, could you please tell me if you could provide them?

Thank you again

Da: sales3@corrtest.com.cn <sales3@corrtest.com.cn>

Inviato: giovedì 10 novembre 2022 10:58

A: Michele Cacioppo <mcacioppo@cicbiomagune.es>

Oggetto: Re: Fw: Info electrochemical cell

Dear Sir,

Please see attachment the quotation of our electrode and cell.

Best regards

Mrs. Li. Zhang



Wuhan Corrtest Instruments Corp., Ltd.

505, Jinfeng Hall A, International Enterprise Center,

Optics valley Ave., East lake High-tech Dev. Zone, Wuhan, China, 430074

Tel: (+86) 27 67849450 ext.28

Email: sales3@corrtest.com.cn

Cell/Whatsapp: +86 135 8586 3997

Wechat: zhangli3997

<http://www.corrtest.com.cn/en>

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From: [Michele Cacioppo](mailto:mcacioppo@corrtest.com.cn)

Date: 2022-11-10 16:45

To: sales2@corrtest.com.cn

Subject: Info electrochemical cell

Good morning,

I am interested on buying a sealed Double-jacketed electrochemical cell kit of 30 mL with 5 necks (or ports) with the following requirements:

1. Gas Inlet: male Swagelok of 1/8 inch for connection with gas source (our connection is made by a female Swagelok of 1/4 or 1/8 inch).
2. Gas Outlet: male Swagelok of 1/8 inch for connection with gas chromatography (our connection is made by a female Swagelok of 1/4 or 1/8 inch).
3. Port for working electrode: needed two typologies of electrodes: i. metallic terminal (like metallic crocodile or metallic wire) to attach handmade electrode; ii. glassy carbon or metal disk electrode.
4. Port for reference electrode: needed a calomel or Ag/AgCl electrode.
5. Port for counter electrode: need a bridge to be inserted in the cell for a platinum electrode.

I have discovered your company by looking at your products on <https://www.aliexpress.com/> and then visited your website where I found the following products that I believe are more suitable for our purposes:
-<https://www.corrtest.com.cn/en/electrolyticcell/1202.html>
-<https://www.corrtest.com.cn/en/electrolyticcell/1253.html>

The second one, being double jacketed, would be the best solution.

Could you please give me support on suggesting the list of items that represent the best option for our purposes?

Of course let me know for any additional information you need,

thank you in advance,

cheers,

Michele Cacioppo, Ph.D.

mcacioppo@cicbiomagune.es

Prof. Prato Carbon Bionanotechnology Lab

CICbiomaGUNE

Parque Científico y Tecnológico de Gipúzkoa

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MEMBER OF BASQUE RESEARCH
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RODRIGUES LEITAO MARIA JOAO

Da: Michele Cacioppo <mcacioppo@icbiomagune.es>
Inviato: lunedì 14 novembre 2022 15:47
A: RODRIGUES LEITAO MARIA JOAO
Oggetto: I: Info electrochemical cell

Da: Info <info@adamschittenden.com>
Inviato: mercoledì 9 novembre 2022 18:32
A: Michele Cacioppo <mcacioppo@icbiomagune.es>
Oggetto: Re: Info electrochemical cell

Dear Michele,

Thank you for your inquiry. We manufacture electrochemical cells to order, so you may have exactly the cell that fits your needs. We have found that everyone has some particular style that they need, and we want to make what you need. The photos in the gallery are intended as an indication of our past jobs, not as a catalog.

We are not electrochemists, so we leave the design of appropriate glassware to you. We are happy to assist in determining functional and cost-effective designs.

The BMS style jacketed cell costs from around \$500.00 to \$600.00, depending on the count and variety of ports. We have made these with GL14 threads, 14/20 female taper joints, Ace internal Threads, and plain tubing. The volume for this cell was approximately 20ml. Also note that the center port is raised to allow clamping if necessary.

If you have a specific design, you can send a sketch by email or fax. We don't need perfect drawings, as long as the critical features - volume, connections, etc. - are shown. Reference to photos in our website gallery can be helpful; most have six-digit numbers associated with them. We encourage you to try our "Image markup" feature; you can click the link in the gallery popup window to do simple drawing and annotations on the image, then save and email it to us.

It may be useful to check out these pages about the components:

Options for GL14 thread connections

<http://adamschittenden.com/files/options-for-gl14-thread-connections.pdf>

Comparing internal (Ace) threads and external (GL) threads

<https://adamschittenden.com/technical/connections/threaded-connectors>

NW flange info

<http://adamschittenden.com/technical/connections/nw-glass-flanges>

For electrodes, you can try these two places: Gamry Instruments (tel: 877-367-4267) and Pine Research Instrumentation (tel: 919.782.8320).

The simplest way to order is by credit card. We accept Visa, MasterCard and American Express. Upon shipment, we will charge your card and email you a copy of the paid invoice.

For international orders we require payment at the time of order entry, either by credit card or wire transfer. Please see our webpage regarding International orders: <http://adamschittenden.com/info/international-ordering>

Our lead time is currently three to four weeks.

Please feel free to contact us with and for more information.

Thank you,
Stefka Kamburova

Adams & Chittenden Scientific Glass Coop.
2741 Eighth Street
Berkeley, California 94710
Vox 510-843-5277
Fax 510-843-5290
info@adamschittenden.com
www.adamschittenden.com

> On Nov 9, 2022, at 2:31 AM, Michele Cacioppo <mcacioppo@cicbiomagune.es> wrote:

>

> Good morning,

>

> I am interested on buying a sealed double-jacketed electrochemical cell kit of 30 mL with 5 necks (or ports) with the following requirements:

> 1. Gas Inlet: male Swagelok of 1/8 inch for connection with gas source (our connection is made by a female Swagelok of 1/4 or 1/8 inch).

> 2. Gas Outlet: male Swagelok of 1/8 inch for connection with gas chromatography (our connection is made by a female Swagelok of 1/4 or 1/8 inch).

> 3. Port for working electrode: needed two typologies of electrodes: i. metallic terminal (like metallic crocodile or metallic wire) to attach handmade electrode; ii. glassy carbon or metal disk electrode.

> 4. Port for reference electrode: needed a calomel or Ag/AgCl electrode.

> 5. Port for counter electrode: need a bridge to be inserted in the cell for a platinum electrode.

>

> I have visited your website and I found the following product that I believe is more similar to the one for our purposes:

> - <https://adamschittenden.com/product-detail/2065>

> BMS Small Volume Cells - Adams & Chittenden Scientific Glass Coop

> Pictured are two iterations of jacketed echem cells with internal profiles for reduced electrolyte volumes. These cells have a nominal volume of 20ml, but specific volume requirements, like porting choices,

> adamschittenden.com

> Could you please give me support on suggesting the best option for our purposes?

>

> I noticed that regarding the accessories your website does not propose electrodes associated to the cell.

> Do you propose any supplier that could sell components that fit well with your products?

>

> Of course let me know for any additional information you need,

>

> thank you in advance,

>

> cheers,

>

> Michele Cacioppo, Ph.D.

> mcacioppo@cicbiomagune.es

> Prof. Prato Carbon Bionanotechnology Lab

> CICbiomaGUNE

> Parque Científico y Tecnológico de Gipúzkoa

> Paseo Miramón 194 · 20014 Donostia-San Sebastián

> <Outlook-aov5tt1t.png>

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Michele Cacioppo <mcacioppo@cicbiomagune.es>

info@laborxing.com; RODRIGUES LEITAO MARIA JOAO

R: R: R: R: Info electrochemical cell

In caso di problemi di visualizzazione del messaggio, fare clic qui per visualizzarlo in un Web browser.

From: [Michele Cacioppo](#)

Date: 2022-11-17 18:09

To: info@laborxing.com

CC: [RODRIGUES LEITAO MARIA JOAO](#)

Subject: R: R: Info electrochemical cell

Thank you for the feedback,

Is this cell sold in a kit with the gas tubes and the PTFE Block screws?

Could you please provide us a quotation of 2 cells of this typology (30 mL) in addition to:

- 1 x compatible Calomel reference electrode
- 1 x compatible Ag/AgCl reference electrode
- 1 x compatible Salt bridge with frit for reference electrode
- 1 x platinum mesh electrode (to fit by diameter the salt bridge)
- 2 x compatible Luggin capillary tube
- 1 x compatible Sample holder for electrochemical cell

We are in a hurry since our department payments will close (for 2022) tomorrow and we need such quotation in order to evaluate it and process it till today,

I put in copy Maria who is the responsible for our payments,

thank you again,

Michele Cacioppo, Ph.D.

mcacioppo@cicbiomagune.es

Prof. Prato Carbon Bionanotechnology Lab

CiCbiomaGUNE

Parque Científico y Tecnológico de Gipúzkoa

Paseo Miramón 194 - 20014 Donostia-San Sebastián



QUOTE

QUOTE NO : #D262
QUOTE DATE : 17.11.2022 22:26:25

Laborxing

Dafeng Yikangjiayuan, Longgang district / Shenzhen 518000 / China
 info@laborxing.com
 www.laborxing.com
 +8615889724867

SHIPPING ADDRESS

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 ✉ mcacioppo@cicbiomagune.es

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TITLE	SKU	QTY	TAX	UNIT PRICE	TOTAL
 Standard sealed electrochemical cell with 5 holes, capacity 30 to 1.000 ml > 30 ml	MFGHDJC-30	2	0%	€49.00	€ 98.00
 Saturated calomel reference electrode > 1	BHGGCBDJ-R0232	1	0%	€50.00	€ 50.00
 Ag/AgCl Silver chloride reference electrode > 1	LHYCBDJ-R0302	1	0%	€50.00	€ 50.00
 Salt bridge with frit for reference electrode > #4 for reference electrode with Ø6 mm	YQ-4	1	0%	€35.00	€ 35.00
 Platinum mesh counter electrodes with PTFE rod, mesh size 60 > 5 x 5 mm	PWFZDJ-5x5	1	0%	€60.00	€ 60.00
 Luggin capillary tube > Ø 10 x 70 mm	LJG-10x70	2	0%	€25.00	€ 50.00
 Sample holder for electrochemical cell > 1. for Platinum plate 10 x 10 mm	DJJ-1	1	0%	€85.00	€ 85.00

Shipping Carrier

Standard

Total Item Count

9

SUB TOTAL: € 428.00

SHIPPING: € 15.95

TOTAL: € 443.95

