



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान बरहमपुर
Indian Institute of Science Education and Research Berhampur
Established by the Ministry of Education, Govt. of India

PROPRIETARY ARTICLE NOTICE

No. IISERBpr/S&P/2025-26/PAC/11

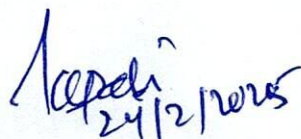
Dt. February 24, 2026

Indian Institute of Science Education and Research Berhampur is an autonomous Institute established under Ministry of Education, Government of India. The Institute would like to procure countess TM 3 FL Automated cell counter on proprietary basis.

2. The following documents are hereby uploaded for open information to submit objections, comments if any from any manufacturer regarding proprietary nature of the equipment / item: -

- i) Proprietary Certificate by the firm
- ii) Detailed specifications

3. Objections if any are to be submitted through e-mail to purchase@iiserbpr.ac.in within 14 days from the date of publishing this notice, failing which it will be presumed that no vendor is having any comments to offer and the case will be processed on merits.


Deputy Registrar
(Stores & Purchase Officer)

Form: S&P 10

Proprietary Article Certificate
 (Valid for Current Financial Year)

Name of Indenter: Dr. Bhavana Tiwari Department: Biological Sciences
 Indent Number: IISERBPR/2025-26/BIO/C.B0084/176 Date: 14/01/26

1. Description of article: Countess™ 3FL Automated Cell Counter
2. Forecast of quantity / annual requirement: 01 Nos
3. Approximate estimated value for above quantity: 4,23,200.00
4. Makers name and address: ThermoFisher Scientific India Pvt. Ltd
5. Name of authorised dealer / stockist: PRISTINE BIO CHEMICAL
6. I approve the above purchase on PAC basis and certify that: -
 (Please tick (✓) the appropriate box, whichever is applicable and cross (X) others. Please do confirm Sl. (a) without which PAC certificate will be invalid.)

a)	This is the only firm who is manufacturing / stocking this item And	✓
b)	A similar article is not manufactured / sold by any other firm, which could be used in lieu OR	✓
c)	No other make / brand will be suitable for following tangible reasons (like OEM/ Warranty spares) OR	✓
d)	No other make / brand will be suitable for following intangible reasons (if PAC was also given in the last procurement cycle, please also bring out efforts made since then to locate more sources)	✓

7. Reference of concurrence of Finance wing to the proposal: _____

History of PAC purchase of this item for past three years may be given below			
Name of the supplier			
Order / Tender Reference & Date	Quantity ordered	Basic rate on order	Adverse performance if any
GMC/511687730872963	01	3,99,784.00	NA
Dated: 18/10/2024			

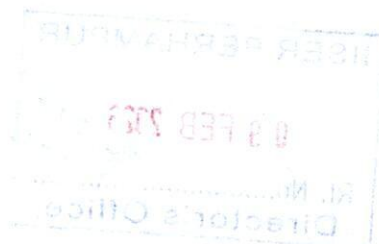
Signature of indenting Officer
 Date: 09/02/26

Approving authority
 Date Designation



General Conditions for PAC

- a) Users should enclose, with their Indent, a PAC certificate indicating the justification and approval at the appropriate level as per DPFR/SoPP, for sourcing an item from OEM or PAC firms or their authorised agents;
- b) Proprietary items shall be purchased only from a nominated manufacturer or its authorised dealer as recorded in the PAC certificate.
- c) In certain unavoidable cases, the procuring authority may have no alternative but to waive Payment of EMD/SD for procurement on a proprietary basis.
- d) To the extent feasible, the firm may be asked to certify that the rates quoted by them are the same and not higher than those quoted with other Government, public sector or private organisations.
- e) In case of PAC/single tender procurements: Reports relating to such awards should be submitted to the Ministry every quarter, Internal audit may be required to check at least 10 (ten) per cent of such cases, and details of such contracts should be published on the website of the Procuring entity.
- f) No item should be procured on PAC basis for more than three years, after which a mandatory OTE mode may be used, to test the market.
- g) The firm should be asked to accept a "fall clause" undertaking that, in case it supplies or quotes a lower rate to other Governments, public sector or private organisations, it would reimburse the excess. Negotiations may be called for to get prices reduced.



SPECIFICATIONS FOR AUTOMATED CELL COUNTER

1. Instrument type: Benchtop automated cell counter for enumeration of mammalian cells in suspension
2. Should be compatible with a wide variety of mammalian cell types including PBMCs
3. Counting based on trypan blue dye exclusion principle. Should indicate the total cell concentration, live and dead cell concentration along with percentage
4. Optics: Three channels (brightfield as standard and upgradeable for fluorescence detection upto two fluorophores)
5. Camera: 5 megapixels, 2.5X optical magnification
6. Instrument should be able to autofocus as well as manually focus the cells and should be able to save different profiles for different cell types
7. Processing time should be ≤ 30 seconds.
8. Required sample volume should not be more than 10 μ l.
9. It should be compatible with both reusable and disposable chamber slides and should include holders for both
10. Instrument should be able to count sample, cell concentration range to be detected can range from $1 \times 10^4 - 1 \times 10^7$ cells/ml.
11. Should be able to count cell size ranging from 4–60 μ m.
12. The counting algorithm should be able to identify clear delineations of cell boundaries within clumps of cells, thereby giving precise, accurate cell counts even with clumpy samples.
13. The instrument should be complete system designed for stand-alone use with imaging and enumeration software to process, analyze, generate report and store into USB memory
14. Should be provided with a 32 GB USB drive for data transfer and storage
15. Instrument should have WiFi enabled cloud connectivity as well
16. Should allow to save images in JPG/TIFF and report in PDF formats
17. Graphical user interface should be user friendly with large touch screen display for operation
18. Should be a CE certified model

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PRISTINE BIO CHEMICAL

Plot no: - 689/9 Nayapalli, Beherasahi, Bhubaneswar-751012, Odisha

Email: pristinebiochem@gmail.com. MOB:-09439082288

GST No: 21AJPPD1174J1ZE

Quote No: PBCQC-738 (25-26)

Date: December 12, 2025

Buyer:

Indian Institute of Science Education and Research, Berhampur

Department of Biological Sciences

Transit Campus, Govt. ITI Building

Engineering School Road, Berhampur,

Dist – Ganjam, Odisha – 760010

Kind Attn: Dr. Bhavana Tiwari

Sub: Quotation for Instruments of Countess™ 3 FL Automated Cell Counter.

Dear Madam,

Herewith reference to the above said enquiry, we are pleased to quote our best possible price for Thermo Products, as per your enquiry.

Sl. No.	Code	Description	Make	Qty	Price/ Unit	Special Total Amount						
01	AMQAF2000	Invitrogen™ Countess™ 3 FL Automated Cell Counter, Each Specifications: The Countess 3 FL Automated Cell Counter is a benchtop assay platform equipped with state-of-the-art optics, fully automated focus and lighting capability, and image analysis software driven by a neural network-based machine-learning algorithm, for rapid assessment of primary and immortalized cell lines. The Countess 3 FL counter is capable of brightfield or fluorescence illumination with three-channel flexibility (brightfield and two optional fluorescence channels) enabling researchers to count cells, monitor fluorescent protein expression, gain insights to apoptotic processes, and measure cell viability. • Accurate—eliminates the subjectivity of manual cell counting and user-to-user variability • Flexible—accepts up to two EVOS light cubes, user selectable from fifteen fluorescent channels • Fast—counts live and dead cells, measures viability, reports average cell size, and saves data with a single touch, in about 20 seconds • Convenient—requires no cleaning or routine maintenance; high-resolution capacitive touchscreen and simple user interface provide quick startup and requires minimal training The Countess 3 FL Automated Cell Counter works in two simple steps: 1. Mix 10 µL of sample with 10 µL of trypan blue and pipet into a disposable Countess chamber slide. 2. Insert the slide into the instrument. Rapid Capture and Auto-Save modes allow cell counting with a single touch. Focus, lighting, and file saving are executed automatically. Get accurate cell counts The Countess 3 FL Automated Cell Counter uses trypan blue staining combined with auto-focus and lighting driven by a machine-learning image analysis algorithm to obtain accurate cell and viability counts. The measurement range extends from 1×10^4 to 1×10^7 cells/mL (the optimal range is 1×10^5 to 4×10^6 cells/mL), which is broader than that of a hemocytometer. Simple operation with fluorescent application versatility Operated using an intuitive user interface, automated cell counting with the Countess 3 FL counter gives you the data you need to prepare your sample for the next passage or experiment and allows you to multi-plex with a variety of fluorescent dyes and proteins excited via EVOS light cubes. You no longer need complex, expensive instruments to obtain reliable data. Transfer data and images to your PC or cloud Using the USB port on the Countess 3 FL Automated Cell Counter and any USB drive, you can save your cell count results and images and transfer them to your PC. (For your convenience, a USB drive and WiFi dongle are supplied with the Countess 3 FL instrument). SPECIFICATIONS: <table><tr><td>Data Outputs:</td><td>CSV, PNG, TIF, JPG, FCS, & PDF</td></tr><tr><td>Detection Method:</td><td>Brightfield& Fluorescence</td></tr><tr><td>Dimensions:</td><td>9 in. (228.6 mm) W x 5.5 in. (139.7 mm) D x 9 in. (228.6 mm) W</td></tr></table>	Data Outputs:	CSV, PNG, TIF, JPG, FCS, & PDF	Detection Method:	Brightfield& Fluorescence	Dimensions:	9 in. (228.6 mm) W x 5.5 in. (139.7 mm) D x 9 in. (228.6 mm) W	Thermo	1	358644.07	358644.07
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Detection Method:	Brightfield& Fluorescence											
Dimensions:	9 in. (228.6 mm) W x 5.5 in. (139.7 mm) D x 9 in. (228.6 mm) W											

Bhavana Tiwari
29/12/25

December 3, 2020

Dear Valued Customer,

This letter serves as a notification that Thermo Fisher Scientific is the sole source provider of the Countess™ 3 (AMQAX2000) and Countess™ 3 FL (AMQAF2000) cell counting systems sold under the Invitrogen brand.

Description of the Countess 3 platform:

The Countess 3 Automated Cell Counter is a benchtop cell counting system equipped with an advanced machine-learning algorithm, ruggedized optics, fully-automated focus and lighting, and image analysis software for rapid assessment of primary and immortalized cell samples.

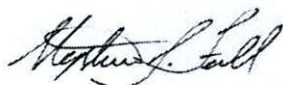
The Countess™ 3 and Countess™ 3 FL instruments contain the following differentiating benefits and features:

- 1) Use of a disposable chamber slide that can accommodate up to two (2) individual samples.
- 2) The disposable slide is compatible with both fluorescence and bright-field measurements.
- 3) The chamber slide accommodates 10 µL of sample
- 4) The Countess™ 3 & 3 FL may optionally accommodate a reusable, thin profile hemocytometer (also provided by ThermoFisher Scientific).
- 5) The instrument provides rapid autofocus upon insertion of the sample vessel (either reusable hemocytometer or disposable chamber slide) – autofocus is completed in approximately ten (10) seconds.
- 6) Cell counting is performed in bright field with the touch of a single button – counting is achieved in approximately ten (10) seconds.
- 7) Data are displayed immediately after counting is completed in bright field (Countess™ 3, and Countess™ 3 FL in bright-field mode.) Total cell count, and live/dead data (% viability and total cell count) are displayed on a single data summary page.
- 8) A data histogram can be displayed to show size distribution of cells (from bright field measurements).
- 9) (Countess™ 3 FL instrument only) A data histogram can be displayed to show fluorescence intensity by color channel.
- 10) Cell counts can be gated by cell size, and cell circularity.
- 11) User-generated, custom gate settings can be saved in the form of a 'profile' on the instrument for convenient recovery.
- 12) Cell sample data can be uploaded to the ThermoFisher Cloud for further analysis & archiving.
- 13) Sample illumination is automatically optimized in both bright field and fluorescent modes.
- 14) Saturated pixels are highlighted on the LCD screen while in fluorescence mode
- 15) (Countess™ 3 FL instrument only) Cell data can be thresholded by fluorescence intensity (brightness) for each color channel.

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- 16) (Countess™ 3 FL instrument only) The instrument can be optionally configured to allow quantification of fluorescence in the enumerated cell population by the addition of one or two EVOS® Light Cubes. EVOS® light cubes are a self-contained LED illumination source containing integrated excitation and emission filters appropriate for the fluorophore selected.
- 17) (Countess™ 3 FL instrument only) The instrument can be configured for fluorescence quantification by the user, with minimal difficulty, and fluorescence channels can be configured in any combination of EVOS® light cubes currently offered.
- 18) (Countess™ 3 FL instrument only) The instrument will recognize light cubes upon installation, designating the appropriate color of the fluorescent channels both in the user interface as well as the output data.
- 19) (Countess™ 3 FL instrument only) When using fluorescent channels, data are displayed as total cell count as well as % cells expressing fluorescence (per the light cubes installed) as both % of total and absolute cell number.
- 20) The instrument will count within a sample concentration range of $1E^4 - 1E^7$ cells/ mL.
- 21) The instrument utilizes a 5 MP camera for imaging of the sample.
- 22) The instrument will count particles within a size range of 5–60 μ m in diameter.
- 23) Data can be exported to USB removable storage or Cloud in any combination of **Results, Images, Data, or FCS.**
- 24) **Results** file format can be selected by the user for each cell count. Options include .jpg, .bmp, and .png summary data for graphic output.
- 25) **Images** can be exported in a file format selectable by the user: .jpg, .png, and .tif file formats are available.
- 26) **Data** file format is output as a .csv file, compatible with text readers or Microsoft Excel (all current versions).
- 27) **Cell-by-cell data** is output live on the LCD screen of the instrument, and as a .fcs file, compatible with common flow cytometry analysis programs, including that offered by Attune NxT.

Sincerely,



Stephen J. Full
Global Product Management

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Ordering information: Countess 3, Countess™ 3 FL, and related accessories

Cat. No.	Description	Includes
AMQAX2000	Countess 3 Automated Cell Counter	- Countess 3 Automated Cell Counter - Countess Cell Counting Chamber Slides (50 slides/box) - Countess Disposable Slide Holder - USB drive - Power Cord with 4 adapters - Countess 3 Automated Cell Counter Quick Reference Card - One-year standard warranty
A49865	Countess 3 Automated Cell Counter Starter Kit	- Countess 3 Automated Cell Counter (AMQAX2000) - Countess Reusable Slide - Countess Cell Counting Chamber Slides (500 slides)

Cat. No.	Description	Includes
AMQAF2000	Countess 3 FL Automated Cell Counter	- Countess 3 FL Automated Cell Counter - Countess Cell Counting Chamber Slides (50 slides/box) - Countess Disposable Slide Holder - Countess Reusable Slide Holder - USB drive - WiFi Dongle - Countess Light Cube Removal Tool - Power Cord with 4 adapters - Countess 3 Automated Cell Counter Quick Reference Card - One-year standard warranty
A49866	Countess 3 FL Automated Cell Counter Starter Kit	- Countess 3 FL Automated Counter (AMQAF2000) - Countess Reusable Slide - Countess Cell Counting Chamber Slides (500 slides)

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		• Two EVOS Light Cubes (RFP and GFP)
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