HyQ CCM®3

Cat#SH30065
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A complete, ready to use (powder version: after hydration), Serum-Free, Protein-free Insect Medium. Available in both Powder (SH30061) and Liquid (SH30065) form.

PRODUCT DESCRIPTION:

- HyQ-CCM®3 is a serum-free medium used for growth of Sf9 (SF9 insect cells derived from the parent line, IPLB-SF 21, which is derived from pupal ovarian tissue of the Fall armyworm, Spodoptera frugiperda), Sf21, High Five™*,Drosophila, Mamestra and other insect cells.
- HyQ-CCM®3 provides superior performance for maximum cell densities and increased log phase growth.
- HyQ-CCM®3 is available in package sizes ranging from 500 ml to 500 L.
- Powder form is available from 1 L to 100 L.
- HyQ-CCM®3 contains no components greater than 10kd.

INSTRUCTIONS FOR USE:

Liquid form Sh30065

- HyQ-CCM®3 is ready-to-use serum-free medium.
- Insect cell lines readily transfer directly into HyQ-CCM®3 from serum supplemented media without using any complicated adaptation/selection protocols.

Powder form Sh30061

- The powdered form (one-liter equivalents) of HyQ-CCM®3 comes in our unique Funnel Pouch™ package. The media is pretested to assure low moisture content in the powder and should be stored at 2°C to 4°C. IT is recommended that the entire contents of an individual pouch be reconstituted at one time.

Powder Preparation Instructions:

- HyClone designed this unique Funnel Pouch™ packaging to make the mixing of powdered media convenient and faster. Not only does this new pouch design make it easier to add the medium to the container, but facilitates rinsing as well. You don't need to use a funnel to pour water into your medium-because the pouch is the funnel.

1. While holding the Funnel Pouch™ container with the angular tip that is opposite the short side in the up (^) position, gently tap the short side of the triangle on any surface to dislodge any medium from the tip.
2. Snip off this tip of the pouch (the pouring tip), about 1.5 inches from the tip or just enough to remove the sealed seam.
3. Invert and empty the contents into a clean container.
4. While still holding the pouch over the container, snip off the sealed edge of the short side.
5. Gently squeeze the sides of the pouch to round it into a funnel shape. Then pour 85% of the deionized-distilled water through the pouch, taking care to rinse the pouch thoroughly. The water temperature should be 15°C to 20°C.
6. Gently stir the medium solution until it is dispersed. The pouch contents may not go completely into solution, but DO NOT heat the solution.
7. Add 10 ml/L 5N NaOH to the mixing container. The medium should go completely into solution.
8. Add 0.35 g/L $NaHCO_3$ and mix for at least 5 minutes or until dissolution is complete.
9. Add 4 ml/L 5n HC1 to the mixing container. Mix thoroughly.
10. Add 0.500 g/L $CaCl_2$ to the mixing container. Some turbidity may occur. This is expected and will diaappear upon final pH adjustment.
11. Adjust the pH to 0.1 to 0.3 units below the desired acidic working range (usually ph 6.2) with 5N HC1. Bring the volume to the final batch size with deionized-distilled water. Sterile-filter with a 0.2 µm filtration system into the appropriate sterile liquid medium containers. Filtration will usually raise the pH by 0.1 to 0.3 units due to the bicarbonate buffer system.

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12. Store the prepared liquid at 2° to 4°C, in the dark to prevent any potential photo-oxidation.
Note: Powdered HyQ-CCM™3 serum-free insect medium is formulated to be pre-adjusted for final osmolality. No osmolality adjustments are required for normal use. No additional nutrient additives are required for normal use.

STORAGE AND STABILITY:
Liquid form SH30065
- Store HyQ-CCM®3 at 2°C to 8°C. Stability of HyQ-CCM®3 liquid is one year from date of manufacture.
- To protect photosensitive medium components from harmful photooxidation, each bottle of liquid HyQ-CCM®3 is packaged, and should be stored, in its protective yellow bag.

Powder form SH30061
- Powder form of CCM 3 is stable for 2 years from date of manufacture.

MANUFACTURING SPECIFICATIONS:
Liquid form SH30065
- Aseptic Fill = Class 100 Clean Room
- Filtration = 100 nm (0.1 μm)
- Water = Water For Injection (WFI) Quality

INTENDED USE:
For in vitro diagnostic/cell culture use.

PRODUCT SPECIFICATIONS:
Liquid form Sh30065
Results of the test are provided on the Certificate of Analysis enclosed with the product.

Test	Method	Result
pH	Potentiometric	6.10-6.40
Appearance	Visual	Clear, yellowish solution
Osmolality	Freeze Point Depression	330-365 mOsm/kg
Sterility	USP Membrane Filtration	No Growth
Endotoxin	LAL Gel Clot	≤10.00 EU/ml

Powder form SH30061
- The HyQ-CCM®3 powdered media is subjected to bioburden testing and total moisture content. All HyQ-CCM®3 lots are tested for endotoxin levels, growth promotion, osmolality, pH, and are subjected to HPLC analysis.

*The High Five ™cell line is owned by the Boyce Thompson Institute for Plant Research, Ithaca, New York and is covered under US Patent No. 5300435. The High Five cell ™line is sold for research purpose only.

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RETURN POLICY

Please carefully examine your shipment upon arrival. Report any problems (damaged shipments, incorrect quantity, incorrect item, etc.) by calling our Customer Service Department at 1-800-492-5663. Because our products are of a controlled nature we are unable to accept returns due to customer error. Any products accepted by HyClone for return will be given a return authorization number and the customer will be given special packaging and shipping instructions prior to the shipment of the returning goods.

No returns or exchanges will be authorized after 30 days from receipt of shipment unless special arrangements were made when the merchandise was ordered.

Merchandise must be examined by HyClone Laboratories before credits, refunds, or exchanges are given. No credits, refunds, or exchanges will be approved until all merchandise is received at HyClone in its original condition and packaging.

Any product being returned to HyClone that does not arrive in its original condition (e.g. medium requiring refrigeration), does not qualify for credit. **Custom Orders cannot be cancelled or returned.** Products that are specially packaged or processed, such as custom irradiation at HyClone for the customer, are considered custom products.

Damage Claims:

Please report damage by calling our Customer Service Department, 1-800-492-5663, within 10 days of shipment. Please include the following information when reporting claims: i. Customer number, ii. Purchase order number, iii. Catalog number, iv. Date of purchase, and v. Invoice number. Returned shipments cannot be accepted without a return authorization number.

Limited Warranty

HyClone Laboratories, Inc. warrants that reasonable care is used in the manufacture of its products and will replace at no charge, refund, or give credit for the amount paid for any product that HyClone determines was defective at the time of shipment. HyClone warrants that the products sold will be as represented. All products are sold "as is." To the extent allowed by law THIS WARRANTY IS IN PLACE OF ALL OTHER WARRANTIES, expressed or implied, including ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS. There are no warranties which extend beyond the face hereof.

For sera, serum-containing, or animal derived products: Virtually every serum product has some type of contaminant or virus, and animal derived products may potentially be similarly contaminated which may or may not affect the uses intended by a customer. Currently accepted methods for virus or agent detection may not detect all virus or agents present. It is the customer's responsibility to determine if undetected virus will render serum or animal derived products unsuitable for the customer's intended use. Additional treatment such as exposure to radiation may be indicated. It is the customer's responsibility to determine if such treatment is consistent with the customer's intended use.

Under this warranty, replacement, refund, or credit for any defective product is the only remedy. HyClone Laboratories, Inc. shall not be responsible for any incidental or consequential damages. In no event shall the liability of HyClone exceed the price of the product. If a customer believes a product is defective, the customer should notify HyClone's Customer Services Department immediately so that HyClone's personnel can work with the customer to determine the nature of the perceived problem.

HyClone, USA Manufacturing, Sales and Marketing
1725 South HyClone Road, Logan, UT 84321, USA
Phone 1-800-HYCLONE (492-5663) or 435-753-4584;
Fax: 1-435-533-9490
Email: info@hyclone.com; Homepage: http://www.hyclone.com

PERBIO Science
IndustriezoneIII, Industrielaan 27
B-9320 Erembodegem-Aalst
Phone: +32 53 83 44 04; Fax: +32 53 83 76 38
Euroinfo@perbio.com

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