Sebomed™ basal medium, liquid: Medium for human sebocyte cells

Modified DMEM/Ham's F-12 (1:1), was optimized to grow the human sebaceous gland cell line SZ95 *in vitro*. The cell line itself was developed by transfecting primary human facial sebocytes.

This defined medium is ideal for controlled studies regarding the effects of hormones, cytokines, xenobiotics, Ca^{2+} etc. on proliferation, differentiation, lipid synthesis, and cytokine production in the cell culture system.

The Ca^{2+} concentration was kept low (0.05 mM) in order to cultivate sebocytes, and keratinocytes under similar culture conditions with or without addition of Ca^{2+}. The basal medium, which is free of bovine products, does not contain phenol red or linoleic acid (or any other fatty acid).

Product	Cat. No.	Unit
Sebomed™ basal medium with 2 g/l $NaHCO_3$, with 2.5 mM stable glutamine Storage temperature: +2 – +8 °C Store: protected from light	F 8205	500 ml

Recommendations:

For optimal performance, this basal medium needs to be supplemented with 0.1 ng/ml Epidermal Growth Factor (EGF <rh>; cat. no. W 1325950500), and 0.1 ml/ml Fetal Bovine Serum (FBS).

Gentamycin sulphate (cat. no. A 2710/2) at a concentration of 50 mg/ml should be used to protect against bacterial contamination or 100 U/100 mg/l Penicillin/Streptomycin (cat. no. A 2210/2).

The formulation is patent protected, and available on request.

Reference:
Zouboulis ChC et al., Establishment and characterization of an immortalized human sebaceous gland cell line (SZ95); *J. Invest. Dermatol.* **113,** 1011-1020 [1999]