

Datasheet

# Panserin 802

## Optimized Medium for Serum-free Cultivation of Keratinocytes

Product	Description	Catalogue No.	Size
Panserin 802	Optimized Keratinocytes Growth Medium, serum-free, Kit	P04-710802K	500 ml 7 Supplements

### Product description

Panserin 802 is an optimized medium which has been developed for the serum-free cultivation of human keratinocytes. Panserin 802 selectively supports the growth of human keratinocytes and concurrently reduces an overgrowth of the cultures with fibroblasts.

### Storage conditions

Panserin 802 kit consists of:

- Panserin 802 basal medium (Cat. No. P04-710802B)

Storage: 2-8°C in the dark

Stability: 1 year from date of production

Size: 500 ml, other sizes on request

- Panserin 802 supplements, which are added at the time of use (Cat. No. P04-710802S)

Storage: -20°C

Stability: 1 year from date of production

Size: 7 supplements

### Composition

MCDB-153 is used as basal medium which has to be supplemented with the supplements provided just before use. These supplements are:

- Bovine Pituitary Extract (BPE) (Cat. No. P02-710802S1)
- Epidermal Growth Factor (EGF) (Cat. No. P02-710802S2)
- Insulin (Cat. No. P02-710802S3)
- Hydrocortisone (Cat. No. P02-710802S4)
- Epinephrine (Cat. No. P02-710802S5)
- Transferrin human holo (Cat. No. P02-710802S6)
- Insulin (Cat. No. P02-710802S7)

### Special advantages

Panserin 802 has been developed for the serum-free cultivation of human keratinocytes. Panserin 802 selectively supports the growth of human keratinocytes and concurrently prevents the overgrowth with fibroblasts.

**Instructions for use**

- Pre-coat cell culture dishes with attachment factors (collagen, fibronectin, etc.)
- Thaw supplements and add them to the basal medium under sterile conditions
- Trypsinize cells, wash them twice and stop remaining trypsin activity with a trypsin inhibitor
- Adjust cell density to 15,000 cells/ml for sub-cultivation (initial seeding density  $4-8 \times 10^3$  cells/cm<sup>2</sup>)
- Incubate keratinocytes with complete Panserin 802 at 37°C and 5% CO<sub>2</sub>
- Feed cells with fresh medium every 2-3 days

**Please note:** Cell culture dishes should be pre-coated with attachment factors (collagen, fibronectin or natural/synthetic fragments of these factors).

**Technical support**

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email ([info@pan-biotech.com](mailto:info@pan-biotech.com)) or phone +49-8543-601630.

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