

Miravetesina favula GRÜN, 1975

1973 *Cruciellipsis cuvillieri* (MANIVIT) THIERSTEIN, Stradner, Init. Rep. Deep
Sea Drill. Proj., vol. 13, pl. 49, fig. 3.

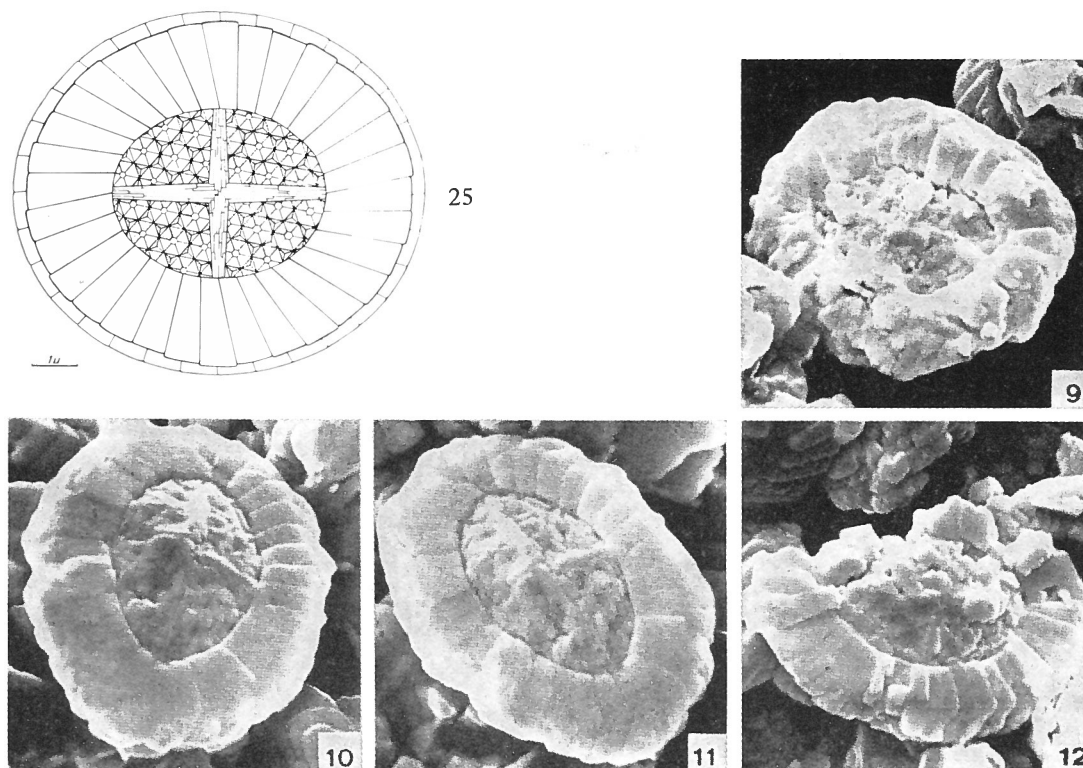


Fig. 25 — Schematic drawing of *Miravetesina favula* GRÜN n. sp., distal view.

Figs. 9-12 — *Miravetesina favula* GRÜN, n. sp. 9) Oblique view on the distal side. Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.131. Stereoscan micrograph 266/5, 8,070 x. 10) Oblique view on the distal side Miravetes; *picteti-malbosi*-zone, *Cps. simplex*-subzone, All 71.197. Holotype; Stereoscan micrograph 323/8, 10,770 x. 11) Same specimen as fig. 10; distal view. Holotype; Stereoscan micrograph 323/7, 10,770 x. 12) Distal side, destroyed specimen. Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.140. Stereoscan micrograph 263/9, 8,070 x.

Description:

The almost circular coccoliths consist of two shields. The distal shield has two cycles of elements. The outer cycle is very thin and may be dissolved away. The sutures are straight and slightly precessed counter-clockwise. The monocycle proximal shield consists of straight elements which are — in proximal view — precessed clockwise. The number of elements in each shield varies between 28 and 34. The central area bears a striated crossbar aligned with the axes of the ellipse. The quadrants between the bars are filled in by granular elements like

those of *Cribrosphaera*. The number of perforations varies between 20 and 40. *Miravetesina favula* has no central process.

Dimensions: Major diameter: 7-10 μ ; minor diameter: 6-8 μ ; major diameter of central area: 3,5-6 μ ; minor diameter of central area: 2,5-4,5 μ .

Type level:

First occurrence: Miravetes - All 71.120 - lower Berriasian (*Euxina*-zone; *C. alpina*-subzone).
Known range: Lower Berriasian - Hauterivian (Barremian ?).

Type locality:

Caravaca, Miravetes section, All 71.197. (Spain).

Depository:

Department of Scanning Electronmicroscopy, Institute of Geology, University of Berne.
Holotype: figs. 10, 11; Stereoscan micrographs 323/8, 323/7.

Author:

Grün W., 1975, p. 185, text-fig. 25; pl. 6, figs. 9-12, in Grün W. and Allemann F.

Reference:

The Lower Cretaceous of Caravaca (Spain). Berriasian Calcareous Nannoplankton of the Miravetes Section (Subbetic Zone, Prov. of Murcia). *Eclogae geol. Helv.*, vol. 68, n° 1, pp. 147-211, 34 text-figs., 10 pls.