

**Alisphaera** HEIMDAL, 1973

**Description:**

Diagnosis: observations in light microscope. Cell subspherical with two flagella, covered by uniform narrowly elliptical coccoliths closely arranged in approximately regular meridian rows; short coccolith axis in polar direction.

Observations in electron microscope. Proximal part of coccolith an elliptical disc attached to a short tube. Tubular part widening distally, passing into a distal rim split in a larger flattened part and a smaller obliquely raised part on one side. Regularly placed nodules at inner periphery of distal rim opposite raised part. Central area having a median longitudinal slit, partly with irregularly zig-zag borders.

Per microscopum ordinarium observata. Cellula subsphaeroides duobus flagellis, coccolithis aequabilibus anguste ellipticis in series meridianas fere regulares dispositas opertis; axis coccolithi brevior directione polari.

Per microscopum electronicum observata. In parte proximali coccolithi discus ellipticus cum tubo brevi connexus. Pars tubularis distaliter protracta, in orbem distalem, parte maiore applanata, parte maiore altero latere oblique editiore divisum, transiens. Noduli in peripharia interiore orbis distalis parti editiore opposita regulariter siti. Area centralis cum rima mediana longitudinali, marginibus partim irregulariter dentatis.

**Type species:**

*Acanthoica ordinata* KAMPTNER.

**Author:**

Heimdal B., 1973, p. 74.

**Reference:**

Two New Taxa of Recent Coccolithophorids. "Meteor" Forsch. Ergebnisse, Reihe D, n<sup>o</sup>. 13, pp. 70-75, figs. 1-7.