

Protocirrinervis sp B SCAMIT, 1995

This species was previously referred to as
Protocirrinervis sp 2 Phillips

To identify this species:

1. See the SCAMIT Voucher Sheet (Vol. 14, No. 1).
2. This species is usually lightly pigmented with a grayish cast in preserved material.
3. The methyl green staining pattern is distinct as illustrated in the color images. (See the note below regarding staining.)
4. Dorsal tentacles begin at the inter-segmental furrow between setigers 3 and 4. They continue through setiger 6. They are difficult to observe in small specimens.
5. The prostomium tapers to a rounded point, not as broad as *Protocirrinervis* sp A.
6. The pygidium is a short, thick, rounded flap, with a dorsal anal opening.

Present at several Pt. Loma
Outfall Monitoring stations

Anterior Dorsolateral View

This specimen methyl
green stained

Dorsal staining through
first 3 setigers

Prostomium tapers to
rounded point

Clear, unstained band
across base of prostomium
(not as obvious in all specimens)

Stain between neuro- and
notopodia and ventral
striping on first 20-30 setigers

Anterior Dorsal View

This specimen
partially destained

Dorsal tentacles
on setiger 4
through 6

Methyl green staining:

1. There is variation in the uptake and leaching of stain in different specimens.
2. All specimens should be placed in a concentrated staining medium until the entire specimen is a dark blue. (Approximately 30 minutes in saturated stain solution.)
3. Several clean rinses may be necessary to remove the stain. (Approximately 10 minutes in clean EtOH for each rinse.)
4. Observe the specimen in clear EtOH to view the stain pattern. In some specimens the stain is light and reveals the above pattern for only a short time before completely fading. If the specimen is viewed in a dish with residual stain in the EtOH, the pattern may be missed.

The digital images are of a specimen from the City of Los Angeles, Santa Monica Bay, Station C7 (1), 60 meters depth, 22 July 96, identified and provided by C.A. Phillips.

The City of San Diego
Ocean Monitoring Program
R. Rowe 12 July 98