

Lepanthes minutilabia A. & S. sp. nov. Herba epiphytica, pusilla, caespitosa. Caules pluriarticulati, monophylli, vaginarum ostiis hispidis. Folium cuneato-spathulatum vel obovatum vel ellipticum, in apice valde obtusum, in basi angustatum. Inflorescentiae folium excedentes; rhachis fractiflexa. Sepala lateralia oblique ovato-lanceolata, per dimidium inferius connata. Sepalum dorsale ovatum. Petala obliquissime subquadrata, margine superiore bilobato. Labellum minutissimum, reniforme.

Plant small, caespitose, epiphytic, extremely variable in size, 2–8.5 cm. tall. Roots fibrous, flexuous, glabrous. Stems filiform, up to 4 cm. tall, composed of about 5–7 internodes, closely enveloped in tubular sheaths which are minutely hispid on the nerves and end in spreading infundibuliform hispid mouths. Leaf solitary, cuneate-spatulate, obovate or elliptic, the largest reaching nearly 2 cm. long and 9 mm. wide, obtuse, shortly petioled. Inflorescences commonly 1–3 (rarely 5 peduncles are present), filiform, more or less surpassing the leaf, up to 7.8 cm. long including the raceme (though generally much shorter), usually arcuate or diffuse. Rachis fractiflex, up to 6.1 cm. long and 31-flowered (sometimes very short and apparently 2- to 3-flowered). Lateral sepals obliquely ovate-lanceolate, about one-half connate, 3.2–3.9 mm. long, abruptly acuminate or shortly caudate with more or less incurved apex, 2-nerved, the nerves marked dorsally by low denticulate keels. Dorsal sepal ovate, cucullate, about 4.2 mm. long, 2.8–3.8 mm. wide, abruptly acute, 3-nerved, the nerves bearing denticulate keels on the outer surface. Petals very irregularly subquadrate with the upper margin bilobed, about 1.9 mm. long measuring the longer anterior margin which extends into an obtuse point, subequally wide, base truncate. The posterior portions of the petals overlap in the natural position. Labellum very minute, simple, reniform or reniform-ovate, apiculate, .5 mm. long, .8–.9 mm. wide. Column shorter than the petals, much larger than the labellum; clinandrium enlarged. Anther pyriform, 2-celled. Pollinia 2, pyriform. Ovary with 6 denticulate or erose keels.

The description was made from a large series of dried specimens supplemented by flowers preserved in formalin.

Lepanthes minutilabia recalls *L. Jimenezii* Schltr. in habit, but it differs from that species in having relatively smooth stems and very dissimilar flowers. The minute lip is remarkable.

COSTA RICA, Province of Heredia, Cerros de Zurquí, Northeast of San Isidro, *Paul C. Standley & Juvenal Valerio* 50388, March 3, 1926. 2000–2400 meters altitude. "On tree; flowers reddish yellow." (TYPE in Herb. Ames No. 33483); *Standley & Valerio* 50314. "Flowers pale red-green"; *Standley & Valerio* 50385. "Flowers dull yellow"; *Standley & Valerio* 50411. "Flowers yellow"; *Standley & Valerio* 50427. "Flowers reddish yellow"; *Standley & Valerio* 50538. "Flowers red-yellow"; *Standley & Valerio* 50565. "Flowers dull pale red"; *Standley & Valerio* 50594. "Flowers pale green"; *Standley & Valerio* 50660. "Flowers reddish yellow"; *Standley & Valerio* 50680. "Flowers pale greenish red": Cerro de las Caricias, North of San Isidro, *Standley & Valerio* 52076, March 11, 1926. 2000–2400 meters altitude. "On tree; flowers dull yellow"; *Standley & Valerio* 52093 (no flowers); *Standley & Valerio* 52420. "Flowers straw-yellow."