

Pleurothallis vide-vallis

KARREMANS & J.E. JIMÉNEZ
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Type: Costa Rica. Guanacaste: Bagaces, Fortuna, Protector Zone Volcán Miravalles, top of the volcano along the trail, 1929 m. 17 Dec 2014. I. Calderón & J.E. Jiménez 96 (holotype: JBL-spirit; LCDP voucher).

Plant epiphytic, erect, up to 20 cm tall. **Roots** flexuous, thin, 0.5–1.0 mm diameter, densely subfasciculate. **Ramicaul** erect, up to 8–14 cm long, covered by tubular sheaths tightly adpressed and close to the base, up to 5 cm long. **Leaves** horizontal or nearly so, sessile, acuminate, 7.0–11.0 × 2.5–3.0 cm, deeply cordate. **Inflorescence** a fascicle of simultaneously open flowers, 3–6 at a time, subtended by a spatheous bract 1–2 cm long; pedicels terete, 5–6 mm long, pale green. **Ovary** sub-clavate, 4–5 mm long, green. **Flowers** pale yellow, suffused with pink. **Dorsal sepal** slightly concave, elliptic, obtuse, 5-veined, 12.0–12.5 × 5.0–6.0 mm. **Lateral sepals** connate in a weakly concave synsepal, oblong, sub-acute, 6-veined, with the 2-central veins fused near the apex, 12.0–13.0 × 5.5–6.0 mm. **Petals** elliptic, oblique, acute, 6.5–7.0 × 2.3–2.5 mm. **Lip** pale yellow, whitish basally, lanceolate to narrowly panduriform, sigmoid, acute, shortly apiculate, 3.4–3.6 × 1.3–1.5 mm, minutely papillose, with a callus raised at the base, bearing a raised glenion, basally hinged to the column foot. **Column** straight, transversely subrectangular, with a column foot, 2.0–2.3 × 1.9–2.1 mm, anther and stigma apical. **Anther cap** ovate, cucullate, acute at the base, bilobed at the apex, 2-celled, ca. 0.6 × 0.4 mm. **Pollinia** 2, narrowly ovate-pyriform, 0.6 mm long, connected to a round viscidium.

Etymology: From the Latin, *videre*, to see, and *vallis*, valley, referring to the Miravalles Volcano, which in Spanish means overlooking the valleys.

Among the members of *Pleurothallis* sect. *Macrophyllae-Fasciculatae* (Luer 2005), *P. vide-vallis* can be recognized by the fascicled inflorescence of numerous simultaneous flowers and the broad petals. It is similar to *Pleurothallis bothros* Luer but is distinguished by the non-spreading, pale yellow flowers diversely suffused with

pink, the elliptic and oblique petals (*vs.* oblong and straight), the lanceolate to narrowly panduriform, sigmoid, acute, ca. 3.8 × 1.4 mm (*vs.* ovate, recurved and obtuse, 3.5 × 2.5 mm). *Pleurothallis hawkingii* Karremans & J.E. Jiménez, is similar, but the two species conspicuously differ in the labellum.

References:

Karremans, A.P. & J.E. Jiménez. 2018. *Pleurothallis hawkingii* and *Pleurothallis vide-vallis* (Orchidaceae; Epidendroideae), two new species from Cordillera de Guanacaste in Costa Rica. *Phytotaxa* 349: 185–191.

Luer C.A. 2005. Icones Pleurothallidarum XXVII. *Dryadella* and *Acroria* sect. *Macrophyllaceae-Fasciculatae*. *Mongr. Syst. Bot. Missouri Bot. Gard.* 103: 1–311.



LCDP: *Pleurothallis vide-vallis* Karremans & J.E. Jiménez. **A.** Habit. **B.** Flower. **C.** Perianth. **D.** Column and lip, lateral view. **E.** Column ventral and dorsal view. **F.** Diverse views of the lip. **G.** Anther cap and pollinarium.

