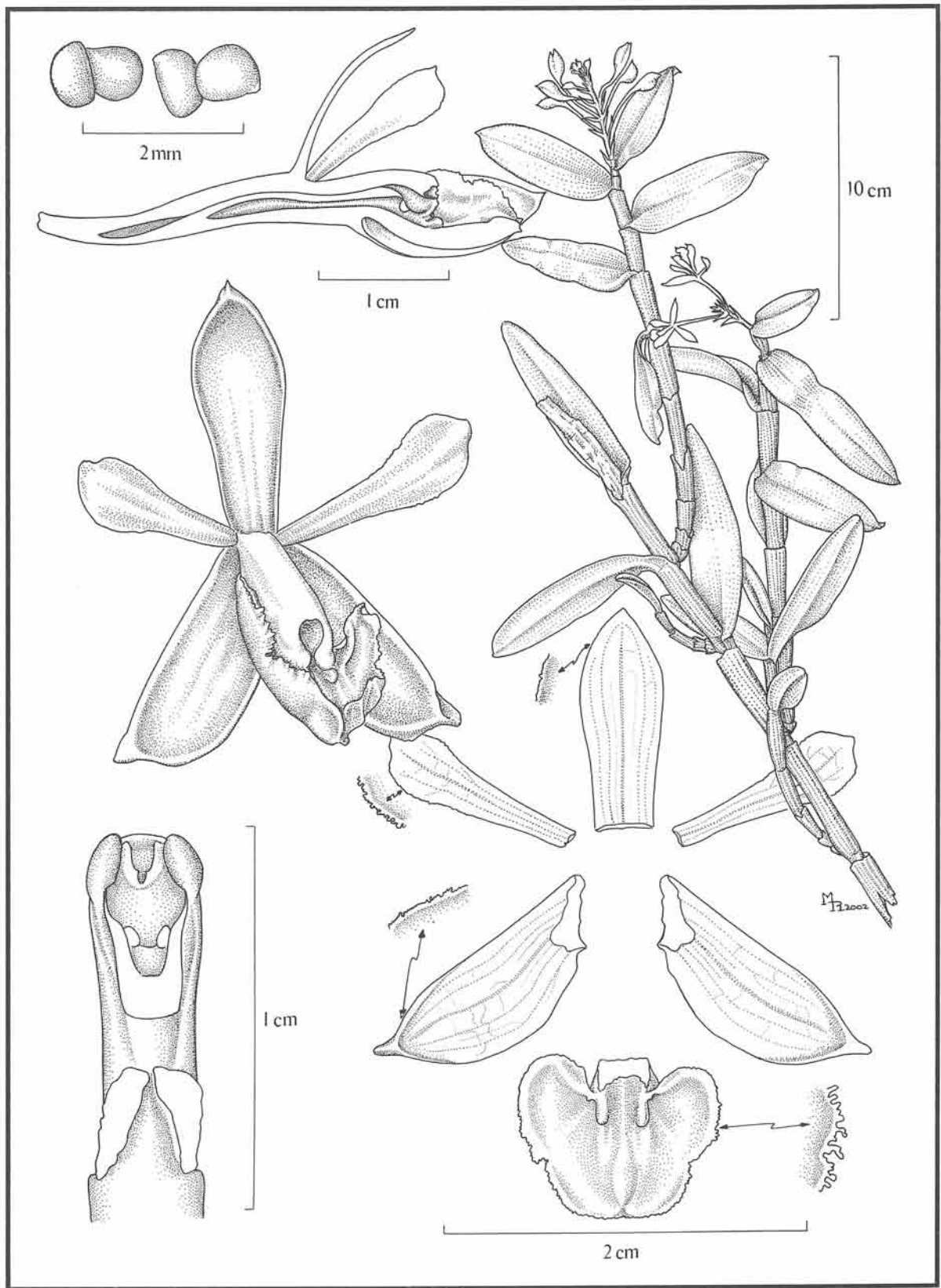




EPIDENDRUM CITROCHLORINUM Hágsater & Dodson
THE GENUS EPIDENDRUM PART 4

EPIDENDRUM CITROCHLORINUM Hágsater et Dodson, *sp. nov.*

Type: ECUADOR: Zamora-Chinchipe: Loja-Zamora, km 17.7 below pass, 8040 ft, 11 IX 1999, *E. Hágsater & C.H. Dodson 12343*. Holotype: QCNE! (Illustration voucher). Isotype: AMO! (Spirit).

Epidendro jimburensi Hágsater & Dodson simile sed floribus minoribus luteis-viridibus pallidis, petalis spathulatis unguiculatis divergens.

Hierba epífita y litófito, erecta, monopodial, ramificada arriba. **Raíces** basales, gruesas. **Tallos** tipo caña, teretes, delgados, ramificados arriba, 0.4-0.55 cm de grosor. **Hojas** numerosas en el tallo principal, pocas en las ramas, alternas, subcoriáceas; vainas tubulares, finamente estriadas, 1.5-2 x 0.4-0.55 cm; lámina angostamente elíptica, ápice desigualmente bilobado, margen entero, lisa, 2.7-5.2 x 0.9-1.25 cm. **Bráctea** espátacea ausente. **Inflorescencia** apical, racemosa, subumbeliforme, erecta, corta, 2.3 cm de largo; pedúnculo corto, terete, delgado, recto. **Brácteas florales** mucho más cortas que el ovario, triangulares, agudas, abrazadoras, 3 mm de largo. **Flores** 9, simultáneas, no resupinadas, verde claro, concoloras; sin fragancia. **Ovario** terete, delgado, liso, no inflado, 22 mm de largo. **Sépalos** extendidos, libres, ápice obtuso, con una quilla dorsal, 5-nervados, margen entero, 14.5-15.5 x 5.5-6.2 mm; el **dorsal** angostamente obovado ligulado, los **laterales** elíptico obovados, oblicuos. **Pétalos** extendidos, libres, espatulados, unguiculados, obtusos, diminutamente apiculados, 3-nervados, margen denticulado, 12 x 4.4 mm. **Labelo** unido a la columna, entero, reniforme, base ligeramente cordada, ápice ligeramente emarginado, margen denticulado, 8.8 x 14.5 mm; bicalloso, los callos pequeños, delgados, provisto de una quilla central, prominente, ancha, subaguda, lisa, llega al ápice sin formar mucrón. **Columna** ligeramente arqueada en el ápice, delgada en la base, ligeramente más ancha en el ápice, 9 mm de largo. **Clinandrio** corto, margen entero. **Antera** obovoide, 4-locular, con una quilla central lisa, baja, margen apical denticulado. **Polinios** 4, obovoides, lateralmente ligeramente comprimidos; caudículas suaves y granuladas, tan largas como los polinios. **Rostelo** apical, hendido. **Lóbulos laterales del estigma** muy prominentes, ocupando casi en su totalidad la cavidad estigmática. **Nectario** corto, penetrando 1/3 del ovario, delgado, no inflado, no ornamentado. **Cápsula** no vista.

Epiphytic and lithophytic, erect, monopodial, **herb**, branching above. **Roots** basal, thick. **Stems** cane-like, terete, thin, branched above. **Leaves** numerous on the main stem, few on the branches, alternate, subcoriaceous; sheaths tubular, minutely striated; blade narrowly elliptic, apex unequally bilobed, smooth, margin entire. **Inflorescence** apical, racemose, subumbelliform, erect, short; peduncle short, terete, thin, straight. **Floral bracts** much shorter than the ovary, triangular, acute, embracing. **Flowers** 9, simultaneous, non-resupinate, pale green, concolor; without fragrance. **Ovary** terete, thin, smooth. **Sepals** spreading, free, apex obtuse, with a dorsal keel, 5-veined, margin entire; the **dorsal** narrowly obovate-ligulate, the **laterals** elliptic-obovate, oblique. **Petals** spreading, free, spathulate, unguiculate, obtuse, minutely apiculate, 3-veined, margin denticulate. **Lip** united to the column, entire, reniform, base slightly cordate, apex somewhat emarginate, margin denticulate; bicallose, the calli small, thin, provided with a long, central keel, wide, thick, subacute, smooth. **Column** slightly arching at the apex, thin at the base, slightly wider at the apex. **Clinandrium** hood short, margin entire. **Anther** obovoid, 4-celled, with a low central keel, apical margin truncate, denticulate. **Pollinia** 4, obovoid, slightly laterally compressed; caudicles soft and granulate, as long as the pollinia. **Rostellum** apical, slit. **Lateral lobes of the stigmatic cavity** very prominent, nearly as long as the cavity. **Nectary** short, penetrating 1/3 of the ovary, thin, smooth.

OTHER SPECIMENS: ECUADOR: Zamora-Chinchipe: km 20 Loja-Zamora, 2200 m, 26 VII 1985, *Dodson 16103*, MO! (Illustration, AMO!) QCNE! Loja-Zamora, 8040 ft, 11 IX 1999, *Hágsater 12350*, AMO! Arriba de Quebrada San Francisco, 2113 m, 28 I 2004, *Hágsater 14065*, AMO! (Spirit) Ibid. 14066, AMO! (Spirit) *Hágsater 14067*, AMO! (Illustration, AMO!) El Cachaco, 2491 m, 28 I 2004, *Hágsater 14071*, AMO! (Spirit) Loja-Zamora, E of Pass, 2400-2700 m, 11 II 1982, *Harling 20596*, GB! Loja-Zamora km 17, 2300 m, 19 XII 1995, *Merino 4730*, LOJA!

DISTRIBUTION AND ECOLOGY: Known only from the eastern slopes of the Andes in southern Ecuador, at 2100-2500 m altitude, growing lithophytic on rocky roadbank. Flowering from July to February.

RECOGNITION: *Epidendrum citrochlorinum* belongs to the Cernuum Group, Orgyale Subgroup which is characterized by the monopodial stem branching above, subcoriaceous, bilobed to obtuse leaves, the racemose, erect inflorescence, non-resupinate flowers with a more or less entire lip. The species is recognized by the concolor, pale green, non-resupinate flowers, the sepals about 14.5-15.5 mm long, and the reniform, entire lip. *Epidendrum jimburensi* Hágsater & Dodson also has an entire, reniform lip, but the flowers are larger, and the petals elliptic-oblongate. *Epidendrum torquatum* Lindl., has inflorescence arching-nutant, the petals obtrullate and the lip deeply 3-lobed, with the lateral lobes widely dolabriform, and the midlobe obtusely. *Epidendrum adamsii* Hágsater & Dodson has flowers about the same size, but the lip is clearly 3-lobed, and the oblongate-spathulate petals. *Epidendrum panduratum* Hágsater & Dodson has a shallowly 3-lobed, pandurate lip, which is longer than broad, and obtusely petals.

CONSERVATION STATUS: DD. Data deficient.

ETYMOLOGY: From the Greek κίτρινος- lemon-yellow, χλωρος- yellow-green, in reference to the color of the flowers which is an even yellow-green.

