

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

SciReq: flexiVent system

RRID:SCR_022673

Type: Tool

Proper Citation

SciReq: flexiVent system (RRID:SCR_022673)

Resource Information

URL: <https://www.scireq.com/flexivent/>

Proper Citation: SciReq: flexiVent system (RRID:SCR_022673)

Description: System for small animal pulmonary function. Used for in vivo respiratory mechanics measurements. Goes beyond traditional resistance and compliance mechanics of pulmonary ventilation, and captures details about mechanical properties of conducting airways, terminal airways and parenchyma. Achieves sensitivity and reproducibility by precisely controlling experimental conditions.

Synonyms: SCIREQ flexiVent system

Resource Type: instrument resource

Keywords: USEDit, instrument, equipment, SCIREQ, animal pulmonary function, in vivo respiratory mechanics measurements, pulmonary ventilation

Availability: Restricted

Resource Name: SciReq: flexiVent system

Resource ID: SCR_022673

Record Creation Time: 20220816T050146+0000

Record Last Update: 20260808T190235+0000

Ratings and Alerts

No rating or validation information has been found for SciReq: flexiVent system.

No alerts have been found for SciReq: flexiVent system.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Zhu Z, et al. (2026) Vip+ vagal neurons control allergen-induced responses. Cell reports, 45(5), 117287.

Shah SD, et al. (2026) Agonist-specific conformational dynamics at the β 2-adrenoceptor dictate allosteric modulation of G α s signalling and bronchodilation. British journal of pharmacology, 183(17), 5315.

Tsikis ST, et al. (2023) A pneumonectomy model to study flow-induced pulmonary hypertension and compensatory lung growth. Cell reports methods, 3(10), 100613.

Sunil VR, et al. (2020) Lung injury, oxidative stress and fibrosis in mice following exposure to nitrogen mustard. Toxicology and applied pharmacology, 387, 114798.