

Resource Summary Report

Generated by PRECISE-TBI on Aug 2, 2026

Virginia Tech Advanced Blast Simulator small

RRID:SCR_025395

Type: Tool

Proper Citation

Virginia Tech Advanced Blast Simulator small (RRID:SCR_025395)

Resource Information

URL: <https://tntlab.beam.vt.edu/LabFacilities.html>

Proper Citation: Virginia Tech Advanced Blast Simulator small (RRID:SCR_025395)

Description: Blast device that is appropriate for testing specimens, such as small animals and material samples. It operates with compressed air or helium in the driver, which is separated from the test section by a diaphragm.

Synonyms: Advanced Blast Simulator - small

Resource Type: instrument resource

Keywords: Blast model, Neuroscience Research, Blast device, Animal models

Availability: Restricted

Resource Name: Virginia Tech Advanced Blast Simulator small

Resource ID: SCR_025395

Alternate IDs: Model_Number_VT1

Alternate URLs: <https://tntlab.beam.vt.edu/LabFacilities.html>

Record Creation Time: 20240604T053248+0000

Record Last Update: 20260801T191317+0000

Ratings and Alerts

No rating or validation information has been found for Virginia Tech Advanced Blast Simulator small.

No alerts have been found for Virginia Tech Advanced Blast Simulator small.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Norris C, et al. (2024) Quantifying acute changes in neurometabolism following blast-induced traumatic brain injury. *Neuroscience research*, 198, 47.

Browne CA, et al. (2022) Long-term increase in sensitivity to ketamine's behavioral effects in mice exposed to mild blast induced traumatic brain injury. *Experimental neurology*, 350, 113963.

Dickerson MR, et al. (2021) Chronic Anxiety- and Depression-Like Behaviors Are Associated With Glial-Driven Pathology Following Repeated Blast Induced Neurotrauma. *Frontiers in behavioral neuroscience*, 15, 787475.

Anderson LM, et al. (2021) The Neurobehavioral Effects of Buprenorphine and Meloxicam on a Blast-Induced Traumatic Brain Injury Model in the Rat. *Frontiers in neurology*, 12, 746370.

Simmons S, et al. (2021) Blast-Induced Mild Traumatic Brain Injury Alterations of Corticotropin-Releasing Factor Neuronal Activity in the Mouse Hypothalamic Paraventricular Nucleus. *Frontiers in synaptic neuroscience*, 13, 804898.