

IIS-G1-U5 Nanomachine ADNR Cocoon

The IIS-G1-U5 is a module designed for the [IIS-G1 "Last Resort" Self-Contained Survival Apparatus](#), however it can also be used standalone with reduced thickness. It is designed as an emergency shelter or futuristic airbag against normally-deadly impacts or g-forces. It may affect brain chemistry negatively while active as it tries to prepare for potential concussion. It comes in a hand-sized tube which utilises [ADNR \(Aggregated Diamond Nanorods\)](#) and nanomachines to rapidly construct a skin-tight rigid barrier.

Armor Class: Medium without [SCSA](#), Heavy with [SCSA](#).

Description

The IIS-G1-U5 visually appears as a black hand-sized cylinder with a very obvious red button on one end and a data/power port on the bottom which is compatible with most devices. The red button has a visible hole in its centre which is filled with a retracted needletip. Part of the interior is a small autoinjector filled with a cocktail of drugs to mitigate brain damage from concussions. The IIS-G1-U5 has a rubberised textured grip and a transparent button shield. It is made almost entirely of [ADNR](#). Its internal capacitors come with enough charge to carry out a single construct-destruct cycle. The unit comes with a small tubing port and length of carbyne tubing, which can be connected to the [IIS-G1 "Last Resort" Self-Contained Survival Apparatus](#)'s carbon output.

Usage

The IIS-G1-U5 should be utilised when the operator has no better options at protection from the elements or imminent impacts. The user lifts the button shield and presses the button hard until it clicks. This click activates the spring on the autoinjector syringe, which penetrates the user's thumb. It injects a cocktail of drugs which mitigate concussions and other impact-based brain damage. The side effects of these drugs can range wildly and be quite severe, as while it makes the brain tissue temporarily more impervious to damage and able to repair, this affects brain chemistry temporarily.

The second and main stage then activates, where the bottom of the IIS-G1-U5 pops open and swings towards the user. A store of nanomachines then activates and begin to rapidly spread across the user's skin. The remainder of the cylinder that is not populated with necessary circuitry is filled with carbon, which the nanomachines use to construct a layer of the [ADNR \(Aggregated Diamond Nanorods\)](#) as they go, flush with the skin. The included carbon is enough for a barrier which can seal the user in an airtight cocoon, but not enough to be entirely certain that it will not crack upon very severe impact.

If connected to a [IIS-G1 "Last Resort" Self-Contained Survival Apparatus](#), the carbon produced from its base function of scrubbing and breaking down CO2 will be efficiently compacted and stored by the nanomachines as it is provided to the cylinder. The nanomachines can also intelligently use carbon if found elsewhere on the SCSA or the user. This increased material component is reflected in the thickness of [ADNR \(Aggregated Diamond Nanorods\)](#) when activated.

OOC Notes

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