

SynDaver Care and Storage Guide - Synthetic Humans

SynDaver Labs' synthetic human tissues simulate real human tissue. Like open wounds, they present ideal conditions for microbial growth. Diligent care must be exercised in order to ensure the longevity of SynDaver soft tissues. Follow these simple guidelines and your SynDaver soft tissues will last for years to come.

SynDaver synthetic human tissues and body parts are manufactured from water, fibers, and salts. Synthetic humans are shipped in sealed plastic bags with water treated with the SynDaver Storage Solution (> 0.1% benzalkonium chloride). Non-soft tissue items (such as chassis, foam torsos, tablets, and pumps) do not require submersion or special storage.

SynDaver Labs products may carry a unique odor after being stored. The scent is no cause for concern and will be diminished by following the steps below.

Storage of SynDaver Synthetic Humans

Perform maintenance on your SynDaver after each use or after 2 weeks of non-use.

1. Put on new rubber gloves. Never handle the SynDaver without gloves to minimize its exposure to bioburden.
2. Drain the old storage water from the container.
3. Using clean water and a small amount of dish soap, gently hand scrub and thoroughly rinse the body and container. Drain the rinse water.
4. Add 10 - 14 mL (ratio of 1 mL per every 5 gallons) of the included SynDaver Storage Solution to the container. Optionally, you may add 10 granules of scent boosters along with SynDaver Storage Solution to mask the scent of the SynDaver Storage Solution.
5. Fill the case with clean water, agitating the Storage Solution for optimal distribution.
6. Make sure the body is fully submerged. If it is not fully submerged, place wet towels over the exposed areas. Dyes used in colored towels will stain soft tissues, therefore only white towels should be used to prevent staining. These towels should be changed after each use.
7. Cover the containers to minimize introduction of air pollutants into the storage water.

Use the final page of this guide to help manage your maintenance schedule. Post it near your storage container and reference it for previous maintenance.

For information about SynDaver Storage Solution and scent boosters, including MSDS sheets, please visit:

syndaver.com/care

Questions may be addressed to our company Safety Officer via info@syndaver.com.

Good Laboratory Practice

To protect and preserve the product, follow good laboratory practice and wear personal protective equipment (gloves, goggles, lab coats and masks) in order to keep the tissues clean and maximize the life of your product.

Equipment

SynDaver tissues are up to 90% water by weight and contain salts which may be corrosive to some materials. Use tools safe for a marine or surgical environment.

Hydration

When thin tissue sections are exposed to air for extended periods, they should be periodically soaked or misted with water. Please note that small and thin parts will become dry more quickly than thick parts.

Temperature

SynDaver products may be safely refrigerated, frozen or heated to body temperature but may not be exposed to temperatures exceeding 150°F. It is not safe to use an autoclave on SynDaver products as the extreme temperatures used to sanitize items will destroy the tissues.

Containers

All products should be stored submerged, you may store multiple items in a single container. Always add excess water and exclude as much air as possible from the container.

General Storage Information

SynDaver Storage Solution should always be added to the container when changing the water in your storage container. Frequency of handling, local biology and municipal water quality (ex. hardness) will all influence the condition of the container.

Please note that the product must be fully immersed. If it is not fully submerged, place wet towels over the exposed areas. Dyes used in colored towels may stain soft tissues, therefore only white towels should be used to prevent staining. These towels should be changed after each use.

Odor Reduction

If any malodor develops before your regular replenish cycle is complete, reduce the time period between water changes.



SynDaver Storage Solution

SynDaver Storage Solution may cause cloudiness when mixed with water.
Cloudy solution will not affect the quality of the product.

Maintenance Schedule for SynDaver Synthetic Humans

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7. Cover the containers to minimize introduction of air pollutants into the storage water.

For more info visit syndaver.com/care - Mark the calendar each date maintenance is performed:

2016 Calendar

January 2016							February 2016							March 2016							April 2016										
W	S	M	T	W	T	F	S	W	S	M	T	W	T	F	S	W	S	M	T	W	T	F	S	W	S	M	T	W	T	F	S
53						1	2	5		1	2	3	4	5	6	9			1	2	3	4	5	13						1	2
1	3	4	5	6	7	8	9	6	7	8	9	10	11	12	13	10	6	7	8	9	10	11	12	14	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16	7	14	15	16	17	18	19	20	11	13	14	15	16	17	18	19	15	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23	8	21	22	23	24	25	26	27	12	20	21	22	23	24	25	26	16	17	18	19	20	21	22	23
4	24	25	26	27	28	29	30	9	28	29						13	27	28	29	30	31			17	24	25	26	27	28	29	30
5	31																														

May 2016							June 2016							July 2016							August 2016										
W	S	M	T	W	T	F	S	W	S	M	T	W	T	F	S	W	S	M	T	W	T	F	S	W	S	M	T	W	T	F	S
18	1	2	3	4	5	6	7	22				1	2	3	4	26						1	2	31		1	2	3	4	5	6
19	8	9	10	11	12	13	14	23	5	6	7	8	9	10	11	27	3	4	5	6	7	8	9	32	7	8	9	10	11	12	13
20	15	16	17	18	19	20	21	24	12	13	14	15	16	17	18	28	10	11	12	13	14	15	16	33	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	25	19	20	21	22	23	24	25	29	17	18	19	20	21	22	23	34	21	22	23	24	25	26	27
22	29	30	31					26	26	27	28	29	30			30	24	25	26	27	28	29	30	35	28	29	30	31			
																31	31														

September 2016							October 2016							November 2016							December 2016										
W	S	M	T	W	T	F	S	W	S	M	T	W	T	F	S	W	S	M	T	W	T	F	S	W	S	M	T	W	T	F	S
35					1	2	3	39						1		44			1	2	3	4	5	48					1	2	3
36	4	5	6	7	8	9	10	40	2	3	4	5	6	7	8	45	6	7	8	9	10	11	12	49	4	5	6	7	8	9	10
37	11	12	13	14	15	16	17	41	9	10	11	12	13	14	15	46	13	14	15	16	17	18	19	50	11	12	13	14	15	16	17
38	18	19	20	21	22	23	24	42	16	17	18	19	20	21	22	47	20	21	22	23	24	25	26	51	18	19	20	21	22	23	24
39	25	26	27	28	29	30		43	23	24	25	26	27	28	29	48	27	28	29	30				52	25	26	27	28	29	30	31
								44	30	31																					

Notes:
