

September
2024

HYPERBARIC MONTHLY MEETING



TOPIC:

September – Clean Chambers Are Safe Chambers

PRESENTED BY:

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Jackson Wound Care Center– Montgomery, AL



Importance of Clean Chambers

**Protects
Longevity**

**Protects
Patients**

Chamber Maintenance

- The chambers should be cleaned with approved cleaner weekly or between patients if the patient has contact precautions due to infections. Always clean the chambers sooner if they become visibly soiled with anything including fingerprints on the acrylic.
- Use a cotton cloth when wiping the acrylic such as a pillowcase, and do not clean the acrylic in circular motion.
- When cleaning the acrylic be sure to check for crazing or scratches, if you notice any acrylic damage, notify your hyperbaric service technician and national safety director right away.
- Mattresses must be cleaned between each patient, with nonalcoholic cleaner, and fresh clean linen.
- The muffler should be removed from the chamber weekly and cleaned with soapy water and a wire brush, if necessary.
- Make sure that the area surrounding the chamber is kept clean and free of dust.
- Use a swifter or other duster to clean the outside of the chamber including between the bottom of the acrylic and the base of the chamber.
- Hand sanitizers can be utilized in the hyperbaric center but is not recommended within the hyperbaric chamber room.

Approved Acrylic Cleaning Products

Detergent and solution of warm water (not exceeding 120 degrees Fahrenheit). The acrylic cylinder can be washed with a clean, soft lint free cloth that has been moistened in a solution of water and mild soap like Joy or Ivory dish detergent (1:100 parts water solutions). Rinse with a soft lint free cloth moistened with clean water. Do not allow water or disinfectant liquid to accumulate inside the chamber.

****Never use a dry cloth or abrasive cleaning agents on the acrylic window**

Approved Commercial Cleaning Products (Perry)

Coverage HB

Hibitane

Ascend

Asepti-HB Ecolab

**PDI Sani-Cloth
Bleach Wipes**

**PDI Sani-Cloth AF
Germicidal Wipes**

**PSI Sani-Cloth
AF3 Germicidal
Wipes**

**STERIS LpH se
One Step
Germicidal
Detergent**

**EcoLab #25 HB
Quat
Disinfectant
Cleaner**

Approved Commercial Cleaning Products (Perry)

Ecolab A-456-N

**Bleach- Up to
15% aqueous
Sodium
Hypochlorite**

**Aqueous
Chlorine Dioxide
up to 2%**

**Chlorox
Healthcare
Bleach
Germicidal
Wipes**

**Tego 2001
(Europe Only)**

Enviroguard64

**Coverage Spray
HB Plus Steris**

**DISPATCH
Hospital Cleaner
Disinfectant
Towels with
Bleach Excolab**

Vital Oxide

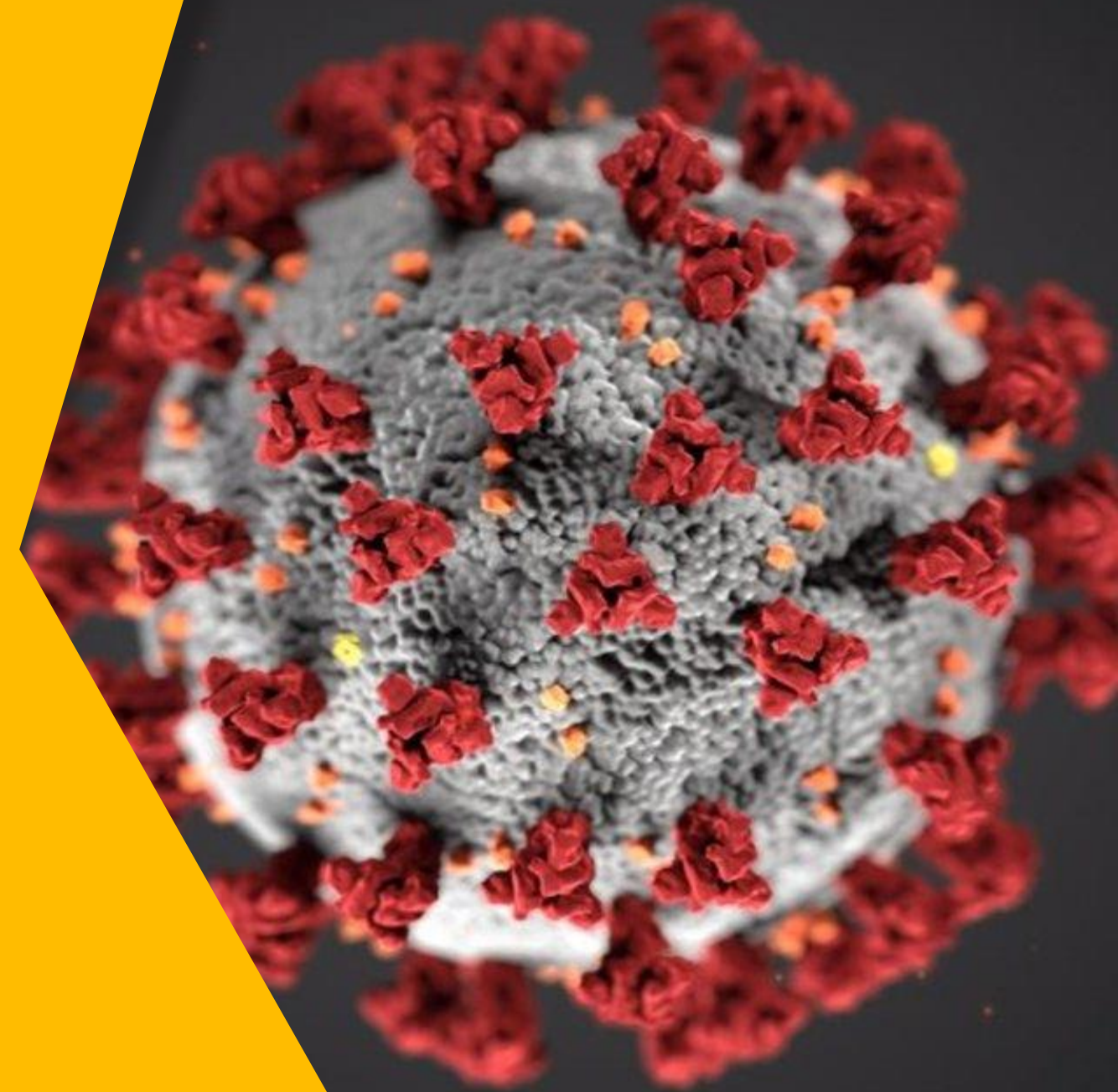
Perry approved chamber cleaners can be found on PerryBaromedical.com >Products >Approved Acrylic Cleaning Products. We advise against printing the list and keeping it on file due to changes in supply of cleaners. Things may be added or removed from the list. If a surveyor or inspector comes through the clinic asking about cleaners, always reference the list online as it will be most up to date.

- o Coverage HB
- o Hibitane
- o Ascend
- o Asepti-HB Ecolab
- o PDI Sani-Cloth Bleach Wipes (MSDS 0010 / EPA Reg. No. 9480-8)
- o PDI Sani-Cloth AF Germicidal Wipes (MSDS 0090)
- o PDI Sani-Cloth AF3 germicidal wipes (MSDS 0101)
- o STERIS LpH® se One Step Germicidal Detergent (product / SDS # 6466 @ dilution ratio of 1:256)
- o EcoLab #25 HB Quat Disinfectant Cleaner (ready to use Ecolab registration number 61-0000-6316-6)
- o EcoLab A-456-N (EPA 42964-31)
- o Bleach – Up to 15% aqueous Sodium Hypochlorite (NaOCl) [7681-52-9]
- o Aqueous Hydrogen Peroxide – 3% to 20% (H2O2) [7722-84-1]
- o Aqueous Chlorine Dioxide up to 2% (ClO2) [10049-04-4]
- o Chlorox Healthcare Bleach Germicidal Wipes Clorox Company (Bleach, caustic soda and sodium metasilicate based, lint-free cloths.)
- o Tego 2001 (EUROPE ONLY) Amphoteric Disinfectant Johnson Diversey (Surface active, microbiocidal amphoteric system, with EDTA and IsoPropanol, in small quantity)
- o Enviroguard64, Enviroguard64LLC (Quaternary Ammonium Surfactants plus Ethanol, in small quantity)
- o Coverage Spray HB Plus Steris (Quaternary Ammonium Surfactants plus Ethanol, in small quantity)
- o DISPATCH® Hospital Cleaner Disinfectant Towels with Bleach Excolab (Bleach, caustic soda and sodium metasilicate based, lint-free cloths.)
- o Vital Oxide (formerly EXPEL) Orison Marketing, L.L.C. (Chlorine Dioxide Aqueous Spray plus Quaternary Ammonium Surfactants)

Recommendations for Chamber Use

For COVID-19

1. Stagger patient start times by no less than 15 minutes. This will prevent exposing one patient to another in the common area.
2. Disinfect the inside and outside of the chamber with Asepti-HB after every patient use.
3. Disinfect the sphygmomanometer, thermometer, and other VS equipment after every use. Please view the three minute video on the next slide for complete instructions.
4. Tech should be wearing gloves and a mask while working with patients pre/post HBO





Non-Approved Products

1. Do not use any cleaners or disinfectants containing high concentrations of alcohol. They are known to initiate crazing of the acrylic cylinder.
2. Please note that many other formulated hospital cleaners such as Oxivir TB contain very high concentrations of Ethanol, Isopropanol or Benzyl Alcohols which cause serious damage to the acrylic window and MUST NOT be used. IF IN DOUBT PLEASE CONTACT ALLY FOR ADVICE.
3. Correctly diluted cleaners may be used at up to 100°F (38°C) MAXIMUM
4. ALWAYS USE THE CORRECT DILUTION & FOLLOW THE MANUFACTURERS' AND FACILITY'S PROCEDURES
5. Soft lint-free cloths must be used to prevent scratching the acrylic window.
6. Do not use cleaners when the chamber is pressurized.
7. Caution must be exercised when using cleaners containing strong perfumes – some of which are known to damage acrylic.
8. See ASME PVHO-2-2019 Mandatory Appendix V for further guidance.

Approved Chamber Acrylic Cleaners (Sechrist)

Virasept

**Oxycide Daily
Disinfectant**

Stat III TB

LpH-se

**Sani-Cloth
BleachWipe**

**Clorox
HealthcareBleach
Germicidal
Cleaner**

**Quaternary
Disinfectant
Cleaner**

**Quaternary
Disinfectant
Wipes**

**Coverage Spray
HBPLUS**

Approved Chamber Acrylic Cleaners

**Sani-Cloth HB
Wipe**

**Sani-Hypercide
Wipe**

Sani-Cloth Plus

Virex II 256

**Peroxide Multi
Surface Cleaner
and Disinfectant**

Vital Oxide

**Mikrozyd
Sensitive Wipes
Premium**

Sechrist approved acrylic cleaners can be found sechristusa.com >Knowledge Base >Approved Cleaners

DISINFECTANT	MANUFACTURER	EPA REGISTRATIONNUMBER	RECOMMENDED DILUTION WITH WATER	STRENGTH APPROVED FOR USE	APPROVED AT RECOMMENDE DILUTION
Virasept	Ecolab Inc.	1677-226	Ready to Use	Ready to use	N/A
Oxycide DailyDisinfectant	Ecolab Inc.	1677-237	1:128-1:64	1:128-1:64	YES
Neutral DisinfectantCleaner	Ecolab Inc.	47371-129	1:256-2:64	1:256-2:64	YES
Stat III TB	Ecolab Inc.	39967-89-2677	1:128	1:128	YES
LpH-se	Steris Corporation	N/A	1:256	1:256	YES
Sani-Cloth BleachWipe	PDI/Nicepak	9480-8	Equivalent to 1:10 dilution	Ready to use	N/A
Clorox HealthcareBleach Germicidal Cleaner	Clorox Professional Products	67619-12	Ready to Use	Ready to use	N/A
Quaternary Disinfectant Cleaner	Ecolab Inc.	6836-78	1:256-1:64	1:256 - 1:64 Ready to use	YES
Quaternary Disinfectant Wipes	Ecolab Inc.	6836-372	Ready to Use	Ready to Use	N/A
Coverage® Spray HBPLus	Steris Corporation	6836-152	Ready to Use	Ready to use	N/A
Sani-Cloth® HB Wipe**	PDI/Nicepak	61178-4-9480	Ready to Use	Ready to use	N/A
Sani-Hypercide Wipe	PDI/Nicepak	9480-16	Ready to Use	Ready to use	N/A
Sani-Cloth® Plus	PDI/Nicepak	9480-6	Ready to Use	Ready to Use	N/A
Virex II 256	Diversey	70627-24	1:256	1:256	YES
Virex Plus	Diversey	6836-349	1:128	1:128	YES
Peroxide Multi SurfaceCleaner and Disinfectant RTU	Ecolab Inc.	1677-251	Ready to Use	Ready to Use	N/A
Vital Oxide	Vital Solutions	82972-1	Ready to Use	Ready to Use	N/A
Mikrozid Sensitive Wipes Premium	Shulke	88494-4, 88494-2, 88494-2-37549, 74559-3, 67619-25, 70627-77	Ready to Use	Ready to Use	YES
Asept HB**	Ecolab Inc	61178 2 1677	Ready to Use	Ready to Use	N/A

**** Note: this product has been discontinued by the manufacturer**

SOURCES

- [Approved Cleaners | Sechristusa](#)
- [Approved Acrylic Cleaning Products – Hyperbaric Chambers and Equipment \(perrybaromedical.com\)](#)



QUESTIONS?



The image features a graphic design for a quiz. The word "QUIZ" is written in large, bold, yellow letters with a blue outline and a white drop shadow, positioned in the lower center. Above it are three blue speech bubble icons with yellow outlines: the first contains a white exclamation mark, the second contains a white checkmark, and the third contains a white question mark. The background is a white geometric pattern of interconnected lines forming a network. A large, diagonal yellow and blue shape is on the right side. In the bottom right corner, there is a blurred photograph of a person standing at the front of a classroom, with several students in the foreground raising their hands.

QUIZ

QUESTION 1

If the first person of the day has MRSA it is adequate to clean the chamber at the end of the day?

Answer

False; The chamber must be cleaned after patients with contact precautions, such as MRSA

QUESTION 2

Where do you find the list of approved chamber cleaners?



OUTPATIENT

Answer

Approved cleaning products can be found at perrybaromedical.com and sechristusa.com

QUESTION 3

How often should the chambers be cleaned?

OUTPATIENT

Answer

The chambers should be cleaned with approved cleaners weekly or between patients if they have contact precautions due to infection

QUESTION 4

Alcohol based cleaners are best for cleaning the mattress.



answer

False, Mattresses must be cleaned between each patient with nonalcohol cleaners and fresh clean linen

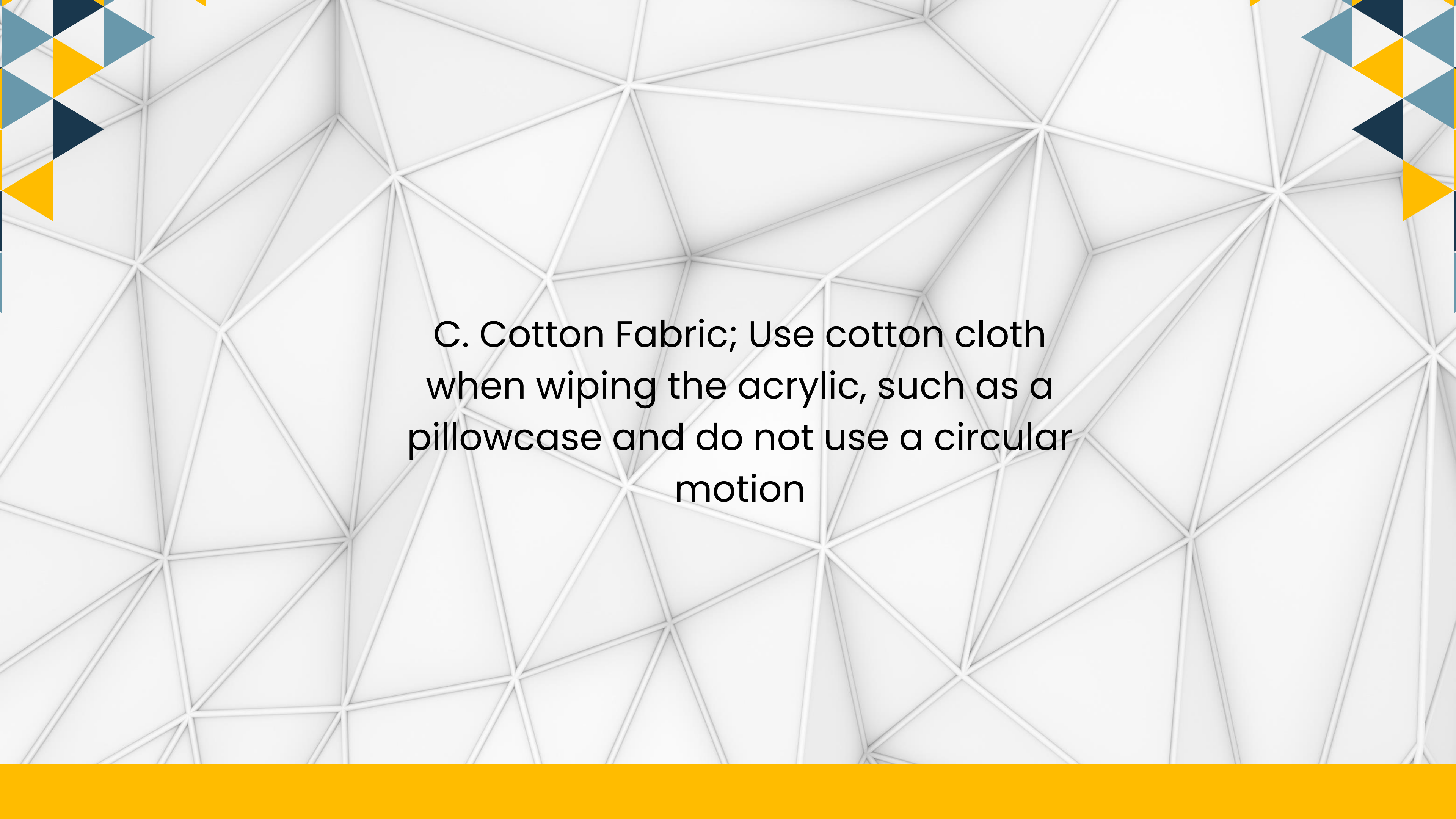
QUESTION 5

What cloth is best used to wipe the acrylic?

- A. Paper Towels
- B. Microfiber Towels
- C. Cotton Fabric



OUTPATIENT



C. Cotton Fabric; Use cotton cloth when wiping the acrylic, such as a pillowcase and do not use a circular motion

ROUND TABLE?

- Next month's presenter?
- Antibiotic types in treatment of CROM





August Attendance



Attended

- Wellspan Chambersburg
- Henry Ford
- Fairview
- Monroeville
- Inspira
- Jackson Hospital

Unattended

- The Woodlands
- Cleveland Clinic Akron General
- Mary Greeley Medical Center

If you were unable to be present at the meeting, please send a copy or picture of your completed quiz in the safety manual to ageorge@serenagroups.com or 609-202-6152.

COMING UP NEXT MONTH

**Topic: Physiology of HBOT for Each Indication
and When to Consider Continuation**

Presenter: Ally

 **October 1, 2024 @ 12:00 pm eastern time**

HYPERBARIC CONTACTS

THANK YOU!



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ALLY GEORGE

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609-202-6152