

AERO CHROME*

Breathable Performance Surgical Gown



GET TOTALLY COMFORTABLE WITH HIGH LEVEL PROTECTION.

AERO CHROME* Breathable Performance Surgical Gowns combine comfort, softness and breathability with high level protection against fluids and pathogens.¹

This gown's remarkable fabric technology builds a high performance fluid barrier into a lightweight and breathable fabric.²

LIGHT, COOL COMFORT. HIGH LEVEL PROTECTION.

- Meets high performance per EN13795-1:2019
- Meets AAMI Level 4 for surgical gowns, providing a high level of fluid and microbial protection in the critical zones³.
- Soft, light and breathable fabric helps to keep staff protected yet cool and comfortable.²
- Excellent ignition resistance, with the High rating for protection against ignition with surgical lasers.⁴
- Low linting⁵ to help reduce the risk of wound contamination and infection.⁶



Remarkable stretch properties allow a full range of unrestricted motion without tearing⁸

Distinctive color makes it easy to choose the AAMI level 4 protection

Breathable back panel maximizes airflow⁹



THE GOWN THAT STANDS OUT ON THE BACK TABLE.

When choosing from a sea of blue gowns, it is important to ensure the right level of protection is chosen. The silvery AERO CHROME* color makes it easy to choose the right gown for the right procedure.

HIGH PERFORMANCE⁽³⁾ PER EN13795-1:2019 AND AAMI LEVEL 4 PROTECTION

Keep OR staff members protected during long, fluid-intensive procedures¹⁰ with AERO CHROME* AAMI Level 4 gowns.

LIGHT, SOFT & COOL

The remarkable AERO CHROME* fabric has a proprietary Cool Shield Core technology¹¹ that allows moisture vapor to escape while providing a high performance barrier.

THE BACK PANEL THAT BREATHES

The AERO CHROME* surgical gown has a highly breathable back panel that maximizes air circulation.¹⁰

TESTING SUMMARY

Physical Property	Test Method	Sample Size	Acceptance Criteria	Reference
Chemotherapy Drug Resistance to Permeation	ASTM D6978-05	n = 3 3 sterile surgical gowns tested per each of 52 chemotherapy drugs outlined in Tables 2 and 3	No breakthrough up to 240 minutes.	ASTM D6978-05 (2013)

CHEMOTESTED: CONFIDENT THAT YOU ARE PROTECTED

THE RESULTS SPEAK FOR THEMSELVES

To ensure you are protected we tested AERO CHROME* Breathable Performance Surgical Gown against 52 chemotherapy drugs¹.

The following chemotherapy drugs and concentrations had no breakthrough detected up to 240 minutes¹:

CHEMOTHERAPY DRUGS		CHEMOTHERAPY DRUGS	
Tested Chemotherapy Drugs	Concentration	Tested Chemotherapy Drugs	Concentration
Arsenic Trioxide	1 mg/ml (1,000 ppm)	Idarubicin	1 mg/ml (1,000 ppm)
Azacitidine	25 mg/ml (25,000 ppm)	Ifosfamide	50 mg/ml (50,000 ppm)
Bendamustine	5 mg/ml (5,000 ppm)	Irinotecan	20 mg/ml (20,000 ppm)
Bleomycin	15 mg/ml (15,000 ppm)	Mechlorethamine HCl	1 mg/ml (1,000 ppm)
Bortezomib	1 mg/ml (1,000 ppm)	Melphalan	5 mg/ml (5,000 ppm)
Busulfan	6 mg/ml (6,000 ppm)	Methotrexate	25 mg/ml (25,000 ppm)
Carboplatin	10 mg/ml (10,000 ppm)	Mitomycin C	0.5 mg/ml (500 ppm)
Carfilzomib	2 mg/ml (2,000 ppm)	Mitoxantrone	2 mg/ml (2,000 ppm)
Cisplatin	1 mg/ml (1,000 ppm)	Oxaliplatin	2 mg/ml (2,000 ppm)
Cyclophosphamide (Cytoxan)	20 mg/ml (20,000 ppm)	Paclitaxel (Taxol)	6 mg/ml (6,000 ppm)
Cytarabine	100 mg/ml (100,000 ppm)	Paraplatin	10 mg/ml (10,000 ppm)
Cytovene	10 mg/ml (10,000 ppm)	Pemetrexed Disodium	25 mg/ml (25,000 ppm)
Dacarbazine (DTIC)	10 mg/ml (10,000 ppm)	Pertuzumab	30 mg/ml (30,000 ppm)
Daunorubicin	5 mg/ml (5,000 ppm)	Raltitrexed	0.5 mg/ml (500 ppm)
Decitabine	5 mg/ml (5,000 ppm)	Retrovir	10 mg/ml (10,000 ppm)
Docetaxel	10 mg/ml (10,000 ppm)	Rituximab	10 mg/ml (10,000 ppm)
Doxorubicin Hydrochloride	2 mg/ml (2,000 ppm)	Temsirolimus	25 mg/ml (25,000 ppm)
Ellence	2 mg/ml (2,000 ppm)	Topotecan HCl	1 mg/ml (1,000 ppm)
Eribitux	2 mg/ml (2,000 ppm)	Trastuzumab	21 mg/ml (21,000 ppm)
Eribulin Mesylate	0.5 mg/ml (500 ppm)	Triclosan	2 mg/ml (2,000 ppm)
Etoposide (Toposar)	20 mg/ml (20,000 ppm)	Trisonex	1 mg/ml (1,000 ppm)
Fludarabine	25 mg/ml (25,000 ppm)	Vinblastine	1 mg/ml (1,000 ppm)
Fluorouracil	50 mg/ml (50,000)	Vincristine Sulfate	1 mg/ml (1,000 ppm)
Fulvestrant	50 mg/ml (50,000 ppm)	Vinorelbine	10 mg/ml (10,000 ppm)
Gemcitabine (Gemzar)	38 mg/ml (38,000 ppm)	Zoledronic Acid	0.8 mg/ml (800 ppm)

PERMEATION TESTING ON STERILE GOWN SAMPLES (SEAM AREA)

Chemotherapy Drugs	Concentration	Minimum Breakthrough Detection Time (Specimen 1/2/3) (Minutes)		Average Steady State Perm. Rate (Specimen 1/2/3) ($\mu\text{g}/\text{cm}^2/\text{minute}$)
Cisplatin	1 mg/ml (1,000 ppm)	>240 min. PASS	PASS	Cisplatin
Cyclophosphamide (Cytoxan)	20 mg/ml (20,000 ppm)	>240 min. PASS	PASS	Cyclophosphamide (Cytoxan)
Dacarbazine (DTIC)	10 mg/ml (10,000 ppm)	>240 min. PASS	PASS	Dacarbazine (DTIC)
Doxorubicin Hydrochloride	2 mg/ml (2,000 ppm)	>240 min. PASS	PASS	Doxorubicin Hydrochloride
Etoposide (Toposar)	20 mg/ml (20,000 ppm)	>240 min. PASS	PASS	Etoposide (Toposar)
Fluorouracil	50 mg/ml (50,000 ppm)	>240 min. PASS	PASS	Fluorouracil
Ifosfamide	50 mg/ml (50,000 ppm)	>240 min. PASS	PASS	Ifosfamide
Mitoxantrone	2 mg/ml (2,000 ppm)	>240 min. PASS	PASS	Mitoxantrone
Paclitaxel (Taxol)	6 mg/ml (6,000 ppm)	>240 min. PASS	PASS	Paclitaxel (Taxol)
Thiotepa	10 mg/ml (10,000 ppm)	>240 min. PASS	PASS	Thiotepa
Vincristine Sulfate	1 mg/ml (1,000 ppm)	>240 min. PASS	PASS	Vincristine Sulfate

AERO CHROME* BREATHABLE PERFORMANCE GOWNS

Sterile Codes	Size/Description	Case Count
48395	Large	30
48396	X Large	28
48403	XX Large	28
48397	Large - X Long	30
48398	X Large - X-Long	30
48402	XX Large - X Long	28

Non-Sterile Codes	Size/Description	Case Count
48392NS	Large	40
48393NS	X Large	32
48399NS	Large - X Long	36
48400NS	X Large - X-Long	32
48394NS	XX Large	32
48401NS	XX Large X-Long	30



KNOWLEDGE NETWORK* Clinical Education
 Knowledgeable Customer Support
 Expert Sales Force
 Tools & Best Practices
 Clinical Research
 Commitment to Excellence

1. Meets ASTM1671 in the critical zones (ties, fabric, sleeve seams), per AAMI PB70 PB70: 2012 AAMI Level 4
2. Per Hydrohead testing, ASTM 1671, basis weight of fabric and MOCON Moisture Breathability, AAMI PB70 PB70 Level 4
3. Meets AAMI Level 4, AAMI PB70, EN13795 High Performance
4. Per ISO 11810
5. Per Particle Release
6. Per Association of Perioperative Registered Nurses (AORN), Standards, Recommended Practices and Guidelines, 2006
7. Comfort study 2015
8. Grab tensile elongation test
9. Air permeability testing
10. ISO 22610 (wet), ISO 22612 (dry), ASTM 1671 and ASTM 1670, Hydrohead-ISO 811:2018
11. ASTM 1671, MOCON and cup crush testing
12. This study was conducted per test method ASTM D6978-05 Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs. The results documented in this report are considered representative of all gowns in the Aero Chrome* Breathable Performance Surgical Gowns – AAMI 4 and High performance product family