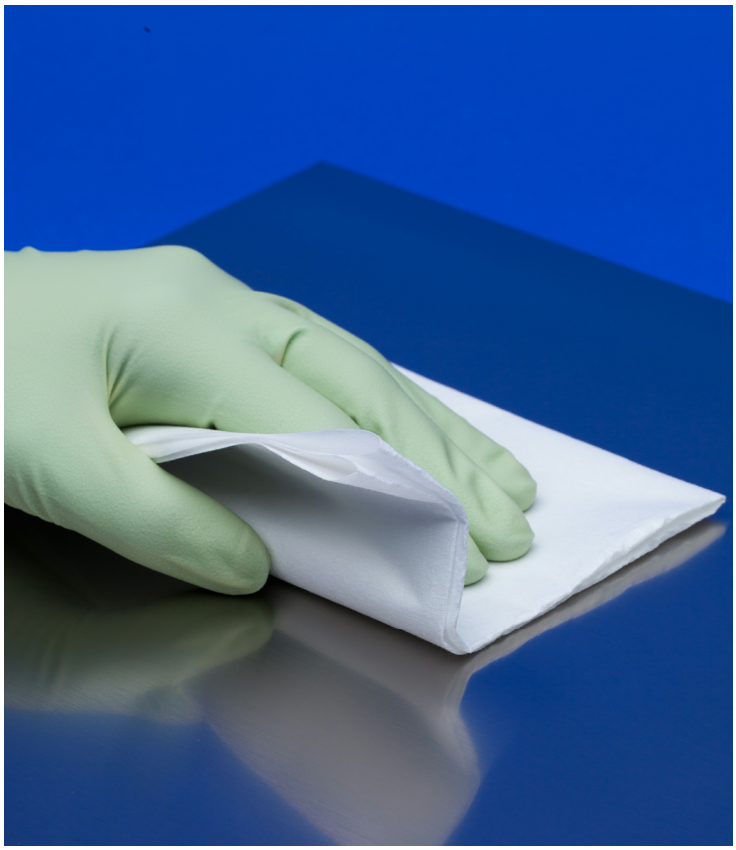
BioClean™ Oryx BOWS 12

Sterile, nonwoven polycellulose wipes, providing superior absorption capabilities

- **Enhanced absorbency:** BioClean™ Oryx BOWS cleanroom wipes are composed of hydroentangled polycellulose, delivering outstanding absorption properties
- **Minimized allergy risks:** They feature no whitening agents or optical brighteners, reducing the risk of allergic reactions
- **Guaranteed cleanliness:** These low-linting wipes are sterilized via gamma irradiation and packed in an ISO Class 5 cleanroom facility, ensuring low levels of particulates and extractables, while sampling and inspection are carried out in accordance with ISO 2859-3 standards
- **Heightened robustness:** BioClean™ Oryx BOWS nonwoven wipes also benefit from excellent durability and strength



Key Features and Benefits

- **Hydroentangled polycellulose design:** Excellent absorption properties
- **No optical brighteners or whitening agents:** Lesser allergy risks
- **ISO Class 5 cleanroom-packed:** Minimal extractable and particulate levels

Industries

- Controlled and Critical Environments
- Production and Manufacturing

BioClean™ Oryx BOWS 12

TECHNICAL DATA SHEET

PRODUCT INFORMATION

Material	Polycellulose
Color	White
Audit Standards	ISO 9001
Standards	ISO 2859, ISO 9001:2015
Packaging Overview	BOWS-12: 10 pieces (C-folded) per sealed inner PE bag; 10 inner PE bags per sealed outer PE bag; 18 outer bags per lined carton (1800 pieces)
Available Sizes	300mm x 300mm (12" x 12")
Sterilization Method	GAMMA irradiation (25 kGy)
Cut	Blade
Cleanroom Class	Class 100/ISO Class 5 & EU GMP Grade A/B and other sterile cleanrooms
Shelf Life	5 years

PHYSICAL PROPERTIES

Force at Break (N)	Machine Direction	98
	Cross Direction	42
Absorption	Extrinsic Sorbency Capacity (ml/m²)	305.90
	Intrinsic Sorbency Capacity (ml/g)	4.60

Typical Extractable Ions					
	Sodium	Potassium	Magnesium	Calcium	Chloride
(µg/cm²)	0.422	0.038	0.116	0.228	0.07

ND = Not Detected, NT = Not Tested

Particle generation (≥0.5µm) orbital shake method	4.6 x 10 3/cm2		
Particle generation Helmke drum method (average counts per minute)	≥0.3µm	≥0.5µm	≥5.0µm
	1261 DRY / 363 WET*	850 DRY / 170 WET*	85 DRY / 29 WET*

ORDERING INFORMATION

	SIZE	300mm x 300mm (12" x 12")
BOWS 12	REORDER NO.	BOWS-12

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